

ZONE 4

ZONE 1

ZONE 3

ZONE 2

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KUS
Marine Products
CATALOG



Sensing Quality, Gauging Success!

NEW PRODUCTS

NEW

Level | Temperature | Voltmeter | TRIM

Pressure | Tachometer | Speedometer

NEW PRODUCTS



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Company Introduction

Over 30 Years of Engineering and Manufacturing Success!

KUS’ story begins with a fuel level sender. In 1984, our company’s founder was having problems with the quality of the fuel level sensors offered in the market. He then developed the world’s first reed switch liquid level sender for marine applications. The product took off and quickly became a top seller due to its reliability, accuracy, and durability.

After the global success of KUS’ initial reed switch level sender, a series of product innovations followed. KUS began developing more complex, integrated liquid level senders for the medium and heavy-duty commercial vehicle industry. Its core product offerings include liquid level sensors and Diesel Exhaust Fluid (DEF)/AdBlue sending units, quality sensors, and tank assemblies. KUS develops and manufactures a range of application solutions for the Marine, Vehicle, and Industrial industries.

KUS Asia

Dongguan, China



Hefei, China



Guangzhou, China



Hsinchu, Taiwan



Pune, India



Chennai, India



KUS Europe

Eindhoven, Netherlands



KUS Americas

Davie, Florida, USA



Escobedo, Mexico





NMEA 2000

The NMEA 2000 network is a Controller Area Network (CAN) bus technology that is becoming more widely adopted by the marine industry for boats and yachts of all sizes. It is a plug and play network with no master nodes to configure and can support hot swappable devices.

The NMEA 2000 network consists of a network of certified devices, a backbone with terminal plugs at both ends, drop tees, and drop lines branching from the backbone to each network device.

Sea N Series

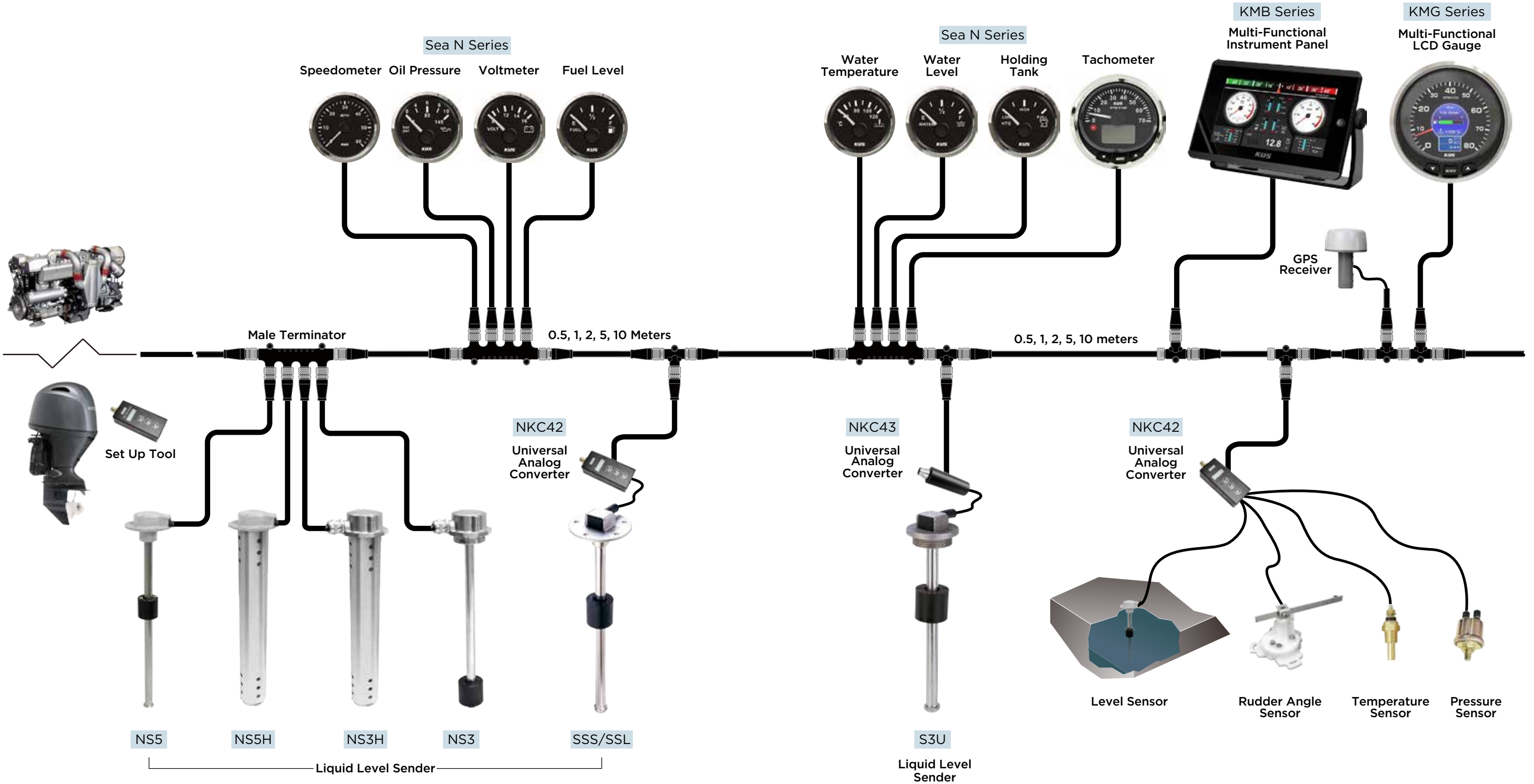


Features

- NMEA 2000 certified/compatible
- LCD displays all available data and alarms on NMEA 2000 engines
- Reads data from NMEA 2000 and CAN Bus network
- Key engine parameters supported
- Double layer reinforced anti-fogging glass
- Options of red and blue background light, also customizable
- IP67 waterproof
- Fully readable under sunlight
- Plug and play connectors

NMEA 2000 Network Integration System

NMEA 2000 Network Integration System



Sea N Series

FUEL LEVEL								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN00001	NMFR-BS	NMEA 2000 & J1939		SS 316	Empty-Full	12V/24V	Φ52mm
KN00200	NMFR-WS							

WATER LEVEL								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN01000	NMWR-BS	NMEA 2000 & J1939		SS 316	Empty-Full	12V/24V	Φ52mm
KN01100	NMWR-WS							

TACHOMETER								
	Part No.	Model	Parameters Supported	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN07000	NMHB-BS-7KL	Engine RPM/ Coolant temperature/ Engine Hours/ Oil pressure/ Trim/Fuel rate/ Fuel Tank1、 Tank2、 Tank3、 Tank4		SS 316	0-7000rpm	12V/24V	Φ85mm
KN07100	NMHB-WS-7KL							

Sea N series

OIL PRESSURE								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN05000	NMPR-BS-0-10	NMEA 2000 & J1939		SS 316	0~10bar	12V/24V	Φ52mm
KN05100	NMPR-WS-0-10							

VOLTMETER								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN03000	NMVR-BS-8-16	NMEA 2000 & J1939		SS 316	8-16V	12V/24V	Φ52mm
KN03100	NMVR-WS-8-16							

SPEEDOMETER								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN08000	NMOB-BS-60	NMEA 2000		SS 316	0-60MPH	12V/24V	Φ85mm
KN08100	NMOB-WS-60							

Sea N Series

WATER TEMP.								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN04000	NMTR-BS-40-120	NMEA 2000 & J1939		SS 316	40-120 C	12V/24V	Φ52mm
KN04100	NMTR-WS-40-120							

HOLDING TANK								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	KN02000	NMGR-BS	NMEA 2000		SS 316	Empty-Full	12V/24V	Φ52mm
KN02100	NMGR-WS							

RUDDER ANGLE								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMN00062	NMRR-BS	NMEA 2000		SS 316	R-L	12V/24V	Φ52 mm
	JMN00063	NMRR-WS						Φ85 mm
	JMN00064	NMRB-BS						
	JMN00065	NMRB-WS						

Sea N series & Accessories

NMEA 2000 Rudder Angle Gauge & Sensor

KUS NMEA 2000 rudder angle sensor is a high-precision angle sensor that outputs NMEA 2000 digital signals. The rudder angle gauge drives the stepping motor to indicate 0-±165 degrees rudder angle through the received NMEA 2000 digital signals from sensor.



Features

- 1. Non-contact sensing, long service life
- 2. Standard NMEA 2000 network transmission
- 3. 12-bit angular resolution
- 4. Fast and convenient installation

Specification

- ◆ Model: NMEA 2000 rudder angle sensor
- ◆ Measuring Range: ±165 degrees
- ◆ Working Voltage: 9-32V
- ◆ Working Current: <60mA
- ◆ Working Temperature: -40℃-85℃
- ◆ Protection Rating: IP67

Accessories

Item	Product Name	Part No.	Description	Photo
1	Male Terminator	JSP06884	Φ12*49.1mm	
2	Female Terminator	JSP06886	Φ12*46.4mm	
3	T-Connector 180 degree	JSP06890	58mm*18mm	
4	Power Cable With Tee	JSP07100	1M(±50MM)	
5	Extended NMEA2000 backbone cable with male and female connectors	JSP07058	5M(±250MM)	
6	Extended NMEA2000 drop cable with male and female connectors	JSP07057	3M(±150MM)	
7	Cable with male connector	JSP06888	1M(±50MM)	
8	Honda NMEA2000 Convert Cable	JSP07091	1.82M(±90MM)	

SEA N Series

Universal Analog Converters

KUS Universal Analog Converters attach directly to the NMEA 2000 network of compatible engines, transmissions, and generator sets and convert the resistance signals to the NMEA 2000 or CAN Bus data. They can be used for engine data, tank levels, alarm status, generic pressures, and temperature indications from resistive sensors.



NKC42

NKC43

NKC42-6

	4 Channels	one Channel(240~33Ω)		6 Channels
Part No.	JKE00233	JX200067		JMC00008
Dimensions	90 x 40 x 25 mm	70 x Ø27 mm	93 x 42 x 25 mm/ 90 x 40 x 25 mm	
Protection Rating	IP67			
Signal Output	NMEA 2000			
Operating Voltage	8V - 32V		9V - 16V	
Connector	Male Micro-C Pinot			
Operating Temperature	-40°F to +185°F (-40°C to +85°C)		-31°F to +167°F (-30°C to +75°C)	
Max Current	50mA			

NJ/JN Gateway

NJ Gateway converts the engine speed, oil pressure, temperature, and voltage data in the NMEA 2000 network into the corresponding information in the J1939 network. JN gateway converts the engine speed, oil pressure, temperature, and voltage data in the J1939 network into the corresponding information in the NMEA 2000 network.



Part No.	JN/JX200068(J1939-NMEA 2000) NJ/JX200069(NMEA 2000-J1939)
Dimensions	94 x 40 x 32 mm
Protection Rating	IP65
Weight	76 g
Operating Voltage	9V - 16V
Power Consumption	< 50mA
Load Equivalence Number (LEN)	1
Operating Temperature	-22°F to +167°F (-30°C to +75°C)
Storage Temperature	-40°F to +176°F (-40°C to +80°C)

NMEA 2000 Bluetooth Gateway

A plug and play NMEA 2000 gateway that can send real-time engine data via bluetooth. All data can be transferred to the NMEA 2000 network and viewed on mobile devices.

The corresponding software will display network data including fuel/ water tank level, engine data, voltage, vessel course, speed, position, wind speed and direction, water depth.



Features

- 1. Built-in bluetooth, easy installation with standard micro-connector
- 2. Plug and play without any other devices
- 3. Customized data
- 4. Option to transmit via Wi-Fi or Bluetooth

Specifications

Part No.	JX200065
Dimensions	60 x 40 x 20 mm
Protection Rating	IP67
Material	Plastic
Operating Voltage	9 V - 16 V
Power Current	45mA
Installation	Micro-C
Protection Rating	IP67

Set Up Tool



Part No.: JX200021
KUS Sea N series gauges and level sensors have several configurable parameters, including the default values. If you would like to use parameters outside of the default values, you will need to use the Set Up Tool to configure the gauges and level sensors.

GPS Receiver



NMEA 2000: JKE00169
J1939 : KE00229
GPS Receiver receives satellite signals and provides high-precision, real-time location information to the NMEA 2000 network.



Multi-Functional LCD Gauge

KMG-20T



The KMG-20T is a multi-functional digital instrument that displays functions including voltage, fuel level, water level, water temperature, oil temperature, oil pressure, holding tank and trim on one gauge.

It includes a stainless-steel cover to ensure corrosion resistance. Dial, data and instances can be set correspondingly through touch screen or the mobile app. The unit is compatible with NMEA 2000 network and analog signals.



KMG-20T

Features

1. Integrates ten different instrument functions
- Digital Oil Pressure

Digital Fuel

Digital Water

Digital HTG

Oil Pressure (5Bar)

Tachometer (8K)

Tachometer (4K)

Rudder

Trim

Voltmeter (12V)

Water Temperature

Oil Temperature

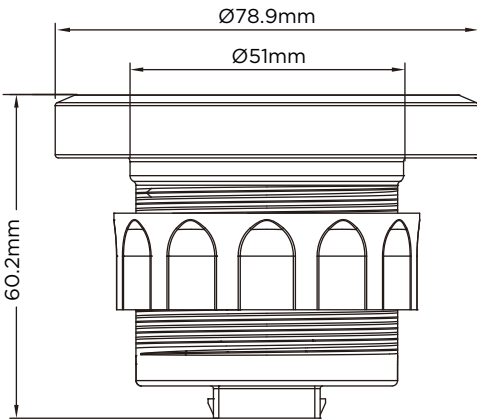
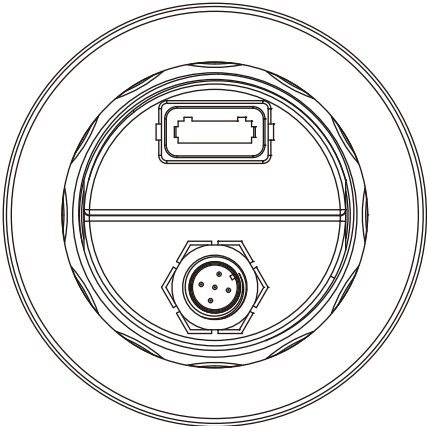
Oil Pressure (10Bar)

Tachometer (6K)

4 in 1 multifunction
2. Compatible with NMEA 2000 and 2 analog inputs (1 for resistance, 1 for speed)
3. Offers black or white gauge dial colors
4. Touch screen or download mobile app to complete the instrument instances and firmware upgrade
5. Alarm Functions: Voltmeter (10 V), Fuel (10%), Water Level (10%), Water Temperature (95°C/203°F), Oil Temperature (100°C/212°F), Oil Pressure (1.0 Bar), Holding Tank (80%), customizable
6. 10% - 100% backlight brightness
7. IP67 protection rating

Specifications

- Part No.: JMC00009
- Display Dimentions: Ø 51 mm / Ø 2 inches
- Mounting Dimensions: Ø 52 mm / Ø 2 inches
- Working Voltage: 9-32 VDC
- Working Current: ≤100mA (12V)
- Resolution: 480 x 480 pixels
- Operation Method: Touch Screen and Mobile App
- Working Temperature: -20°C to +70°C / -4°F to +158°F
- Storage Temperature: -30°C to +80°C / -22°F to +176°F
- Accessories: 1 M 5-core CAN cable, 1 M 6-core analog cable, instructions manual





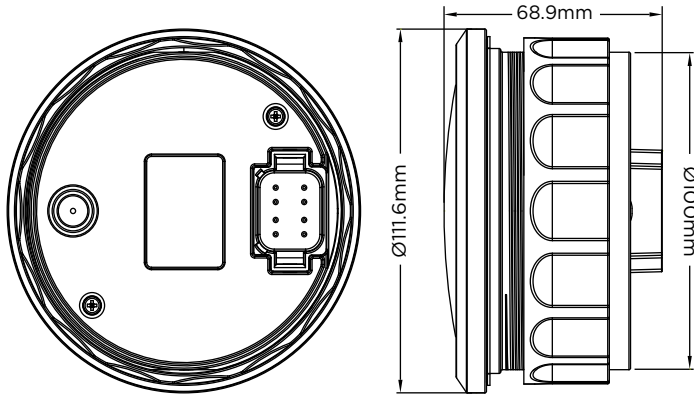
Multi-Functional LCD Gauge

KMG-30K



The KMG-30K is a multi-functional digital instrument that displays functions including voltage, fuel level, water level, water temperature, oil temperature, oil pressure, holding tank and trim on one gauge.

The instrument comes in a stain-less-steel cover with a black dial and two styles of interface. The connection, data and instances can be set to CAN Bus or analog signal input. The unit is NMEA 2000 certified.



KMG-30K

Features

- Compatible with NMEA 2000 and supports 4 different analog signal inputs (Tachometer Sensor, Fuel, Water Temperature and Oil Pressure Sensor), 6 or 10 analog signals can be customized
- For NMEA 2000, the instance number needs to be set up on the KMG
- Supports night display mode and DM1 Diagnostics
- Alarm Functions: Fuel (10%), Water temperature (95°C/203°F), Oil pressure (0.7 bar/10 psi), customizable
- Offers black or white panel colors
- Backlight Brightness: 10%-100%
- Protection Rating: IP67

Specifications

- Display Dimentions: Ø 76 mm / Ø 3 inches
- Mounting Dimensions: Ø 100 mm / Ø 3.9 inches
- Working Voltage: 9-32 VDC
- Working Current: ≤170mA (12V)
- Resolution: 432 x 432 pixels
- Operation Method: Front Button (Up-Model-Down, 3 buttons to set up the function)
- Working Temperature: -30°C to +85°C / -22°F to +185°F
- Storage Temperature: -30°C to +85°C / -22°F to +185°F
- Accessories: 1 M 5-core CAN cable, 1 M 6 cores analog cable, instructions manual

KMG-30KP-H			
Part No.	Model 1	Model 2	Model 3
JMC00004	• RPM(4K/6K/8K) • GPS speed • Fuel level • Engine temperature • Trim meter • Engine work hours • 7 alarm icons from HONDA engine ECU	• RPM(4K/6K/8K) • Fuel level • Engine temperature • Trim meter • Engine work hours • 7 alarm icons from HONDA engine ECU	• RPM(4K/6K/8K) • GPS speed • Fuel level • Engine temperature alarm • Oil pressure alarm • Engine work hours • 7 alarm icons from HONDA engine ECU
	7 alarm icons : 		
Remark : for Honda engine.			

KMG-30KP			
Part No.	Model 1	Model 2	Model 3
JKE00444	• RPM(4K/6K/8K) • GPS speed • Fuel level • Engine temperature • Oil pressure • Engine work hours	• RPM(4K/6K/8K) • Fuel level • Engine temperature • Oil pressure • Engine work hours	• RPM(4K/6K/8K) • GPS speed • Fuel level • Trim meter • Engine temperature low alarm • Oil pressure alarm • Engine work hours
JKE00520	Same function as above but without GPS.		



Multi-Functional LCD Gauge

KMG-30T



The KMG-30T is a multi-functional digital instrument that displays functions including oil level, oil pressure, tachometer, speedometer, and oil and water temperature in one device.

The instrument comes in a stainless-steel cover with a black dial and touch screen. The connection, data and instances can be set to CAN Bus or analog signal input. The unit is compatible with NMEA 2000 network and analog signals.



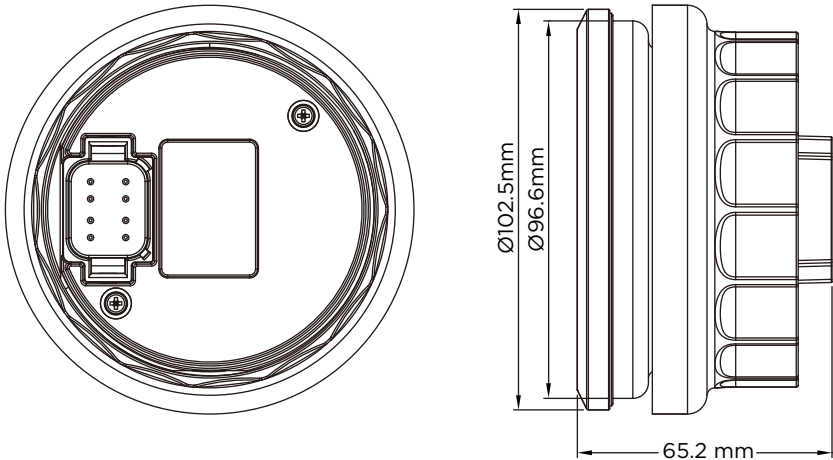
KMG-30T

Features

- Two display options:
 - Model 1: Speed, COG, Voltage, Fuel Level, Engine Temperature, Oil Pressure, Engine Hours
 - Model 2: RPM, Voltage, Fuel Level, Engine Temperature, Oil Pressure, Engine Hours
- Compatible with NMEA 2000 and supports 4 different analog signal inputs (Tachometer Sensor, Fuel, Water Temperature and Oil Pressure Sensor)
- For NMEA 2000, the instance number needs to be set up on the KMG
- For analog signal, optional scope can be set up by customer
 - Fuel Level (0 - 190ohm, 240 - 33ohm or customized)
 - Oil Pressure (10 - 185ohm or customized)
 - Water Temperature (301 - 23ohm or customized)
 - Speed Ratio: (0.5 - 250.0)
- Alarm Functions: Fuel (10%), Water Temperature (95°C/203°F), Oil Pressure (0.7 Bar/10 psi), customizable
- 10% - 100% backlight brightness
- IP67 protection rating

Specifications

- Part No.: JKE00482
- Display Dimentions: Ø 76 mm / Ø 3 inches
- Mounting Dimensions: Ø 97.5 mm / Ø 3.8 inches
- Working Voltage: 9-32 VDC
- Working Current: ≤170mA (12V)
- Resolution: 432 x 432 pixels
- Operation Method: Touch Screen
- Working Temperature: -30°C to +85°C / -22°F to +185°F
- Storage Temperature: -30°C to +85°C / -22°F to +185°F
- Accessories: 1 M 5-core CAN cable, 1M 6 cores analog cable, instructions manual





Multi-Functional LCD Gauge

KMG-42T



The KMG-42T is a multi-functional digital instrument that displays functions including oil level, oil pressure, tachometer, speedometer, and oil and water temperature in one device.

The instrument comes in a stainless-steel cover with a black dial and touch screen. The connection, data and instances can be set to CAN Bus or analog signal input. The unit is NMEA 2000 certified.



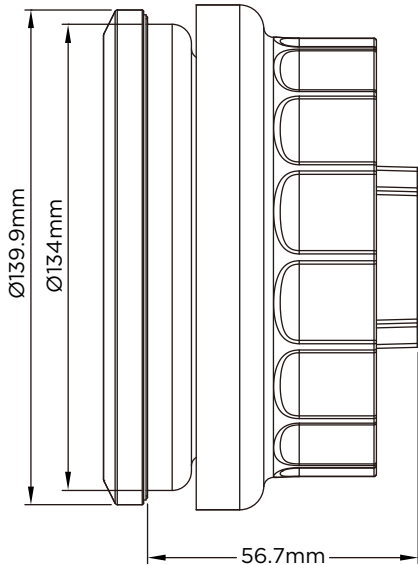
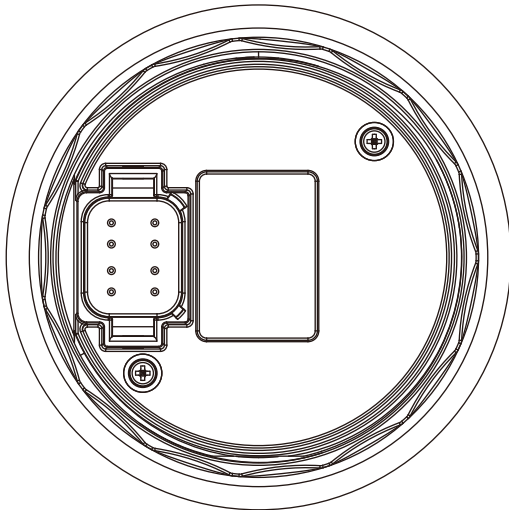
KMG-42T

Features

- Two display options:
 - Model 1: Speed, RPM, Voltage, Fuel level, Engine temperature, Oil pressure, Engine work hours, Time
 - Model 2: Speed, RPM, Voltage, Fuel level, Engine temperature, Oil pressure, Engine work hours, Time
- Compatible with NMEA 2000 and supports 4 different analog signal inputs (Tachometer Sensor, Fuel, Water Temperature and Oil Pressure Sensor)
- For NMEA 2000, the instance number needs to be set up on the KMG
- For analog signal, optional scope can be set up by customer
 - Fuel Level (0 - 190 ohm, 240 - 33 ohm or customized)
 - Oil Pressure (10 - 185 ohm or customized)
 - Water Temperature (301 - 23ohm or customized)
 - Speed Ratio: (0.5 - 250.0)
- Alarm Functions: Fuel (10%), Water Temperature (95°C/203°F), Oil Pressure (0.7 Bar/10 psi), customizable
- 10% - 100% backlight brightness
- IP67 protection rating

Specifications

- Part No.: JKE00483
- Display Dimentions: Ø 106 mm / Ø 4.2 inches
- Mounting Dimensions: Ø 134.5 mm / Ø 5.3 inches
- Working Voltage: 9-32 VDC
- Working Current: ≤330mA (12V)
- Resolution: 720 x 720 pixels
- Operation Method: Touch Screen
- Working Temperature: -30°C to +85°C / -22°F to +185°F
- Storage Temperature: -30°C to +85°C / -22°F to +185°F
- Accessories: 1 M 5-core CAN cable, 1 M 6-core analog cable, instructions manual





Multi-Functional Gauge

SMG-13K



SMG-13K is a multi-functional gauge combining a round LCD screen and a stepping motor. It displays functions including fuel level, oil pressure, water temperature, RPM and speed.

The instrument includes a stainless-steel cover and supports multiple styles and dial color options. The unit is compatible with NMEA 2000 and analog signals.



SMG-13K

Features

1. Various display styles



2. Compatible with NMEA 2000 and supports 4 different analog signals (Speed, Fuel Level, Water Temperature and Oil Pressure) and GPS speed input

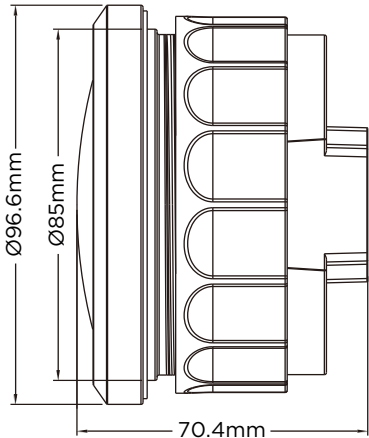
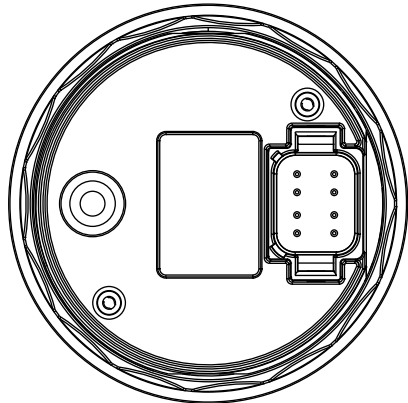
3. For analog signals, custom settings available:

- Fuel Level (0 - 190 ohm, 240 - 33 ohm or customized)
- Trim (0 - 190 ohm, 160 - 10 ohm or customized)
- Oil Pressure Alarm (low switch signal alarm)
- Water Temperature Alarm (low switch signal alarm)
- Speed Ratio: (0.1 - 24.0)

4. IP67 protection rating

Specifications

- Part No.: JMC00010
- Display Dimentions: Ø 32.5 mm / Ø 1.28 inches
- Mounting Dimensions: Ø 85 mm / Ø 3.35 inches
- Working Voltage: 9-32 VDC
- Working Current: ≤180mA (12V)
- Resolution: 240 x 240 pixels
- Operation Method: Front Button
- Working Temperature: -30°C to +70°C / -22°F to +158°F
- Storage Temperature: -40°C to +80°C / -40°F to +176°F
- Accessories: 1 M 5-core CAN cable, 1 M 6-core analog cable, GPS receiver, instructions manual





Digital Instrument Panel

KMB-43



The KMB-43 is an integrated data monitor with an advanced TFT (Thin Film Transistor) screen. The panel displays real time network information including engine output, fluid levels, and speed. KUS can customize the unit to meet customer requirements.

This unit is a perfect fit for marine applications that monitor information on the NMEA 2000 network.



KMB-43

Features

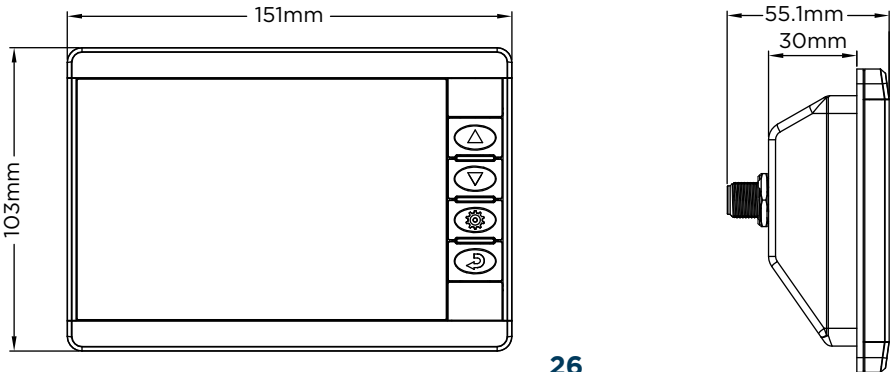
- 1. 32-bit Cortex-M3 core + high-speed FPGA framework
- 2. Fast start-up speed
- 3. An easy to use and switchable interface that supports multiple languages
- 4. A bright high-resolution screen display that can be seen in direct sunlight
- 5. Compatible with NMEA 2000 including KUS Sea N series products
- 6. Display modes:



7. Monitoring Data:
- Engine: Speed, Trim, Coolant Water Temperature, Oil Pressure, Hours
 - Navigation: Course Over Ground (COG), Speed Over Ground (SOG)
 - Fluid Management: Fuel Level, Fresh Water Level, Black Water Level
 - Rudder Position and Battery Voltage

Specifications

- | | |
|------------------------|---|
| • Part No.: | JKE00333 |
| • Display Width: | 109 mm / 4.3 inches |
| • Working Voltage: | 9-32 VDC |
| • Working Current: | 300mA (12V) |
| • Resolution: | 480 x 272 pixels |
| • Operation Method: | Touch Screen |
| • Working Temperature: | -20°C to +70°C / -4°F to +158°F |
| | Touch Screen -20°C to 60°C / -4°F to +140°F |
| • Cable Accessories: | Standard 1 M length cable |





Digital Instrument Panel

KMB-70



The KMB-70 is an integrated data monitor with an advanced TFT (Thin Film Transistor) screen. The panel displays real time network information including engine output, fluid levels, and speed. KUS can customize the unit to meet customer requirements.

This unit is a perfect fit for marine applications that monitor information on the NMEA 2000 network.



KMB-70

Features

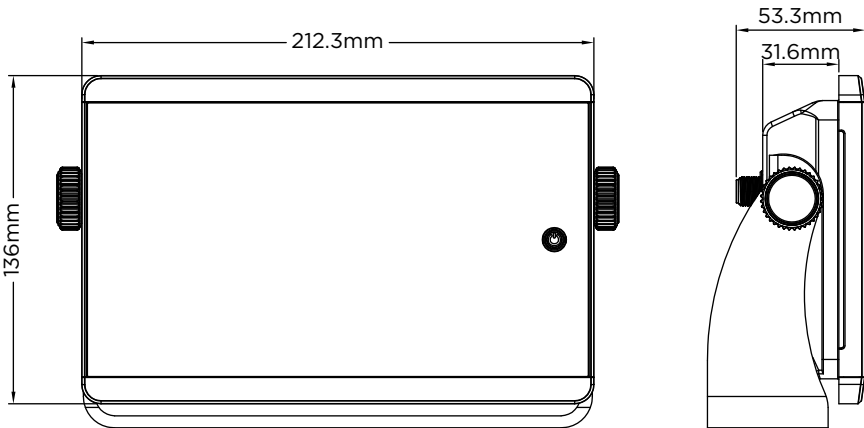
- 1. 32-bit Cortex-M3 core + high-speed FPGA framework
- 2. Fast start-up speed
- 3. An easy to use and switchable interface that supports multiple languages and data
- 4. 10% - 100% brightness adjustment
- 5. A bright high-resolution screen display that is readable in direct sunlight
- 6. Compatible with NMEA2000 including KUS Sea N series products
- 7. Display modes:



7. Monitoring Data:
- Engine: Speed, Trim, Coolant Water Temperature, Oil Pressure, Hours
 - Navigation: Course Over Ground (COG), Speed Over Ground (SOG)
 - Fluid Management: Fuel Level, Fresh Water Level, Black Water Level
 - Rudder Position and Battery Voltage

Specifications

- Part No.: JKE00334 /JMC00012
- Display Width: 177 mm / 7 inches
- Working Voltage: 9-32 VDC
- Working Current: 400mA (12V)
- Resolution: 800 x 480 pixels /1024 x 600 pixels
- Operation Method: Touch Screen
- Working Temperature: -20°C to +70°C / -4°F to +158°F
Touch Screen -20°C to 60°C / -4°F to +140°F
- Cable Accessories: Standard 1 M length cable





Instrumentation Gauges

The instrumentation gauges are widely used in marine, on-road, off-road, and industrial applications. Our gagues have passed environmental and vibration tests to ensure product durability.

We offer a variety of standard products and can work with customers to design, validate, and manufacture custom solutions.

Features

- Double layer reinforced anti-fogging glass
- 316 Stainless steel bezel with convex glass
- Options of red or yellow backlight

Sea V Series

- IP67 protection rating on the entire gauge, work up to 1 M underwater
- Easy installation with multi-socket connection
- Default working voltage is 12V
 - Compatible with 24V for stepping motor and LCD type gauges
 - Cross coil type gauges require an extra resistor to work with 24V



FUEL LEVEL							
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV00697	CPFR-BS-0-190	0-190Ω		SS 316	Empty-Full	12V/24V	Φ52mm
JMV00044	CPFR-BS-240-33	240-33Ω					
JMV00043	CPFR-WS-0-190	0-190Ω					
JMV00002	CPFR-WS-240-33	240-33Ω					
JMV00995	CPFR-BN-0-190	0-190Ω		SS 316 in black			
JMV00997	CPFR-BN-240-33	240-33Ω					
JMV00012	CPFR-BB-0-190	0-190Ω		plastic in black			
JMV00008	CPFR-BB-240-33	240-33Ω					
JMV00998	CPFR-WW-0-190	0-190Ω		plastic in white			
JMV00009	CPFR-WW-240-33	240-33Ω					

Sea V Series

WATER LEVEL								
	Part No.	Model	Signal	Picture Indicating	Bezel	Indicating Range	Working Voltage	Installation Dimension
	JMV00649	CPWR-BS-0-190	0-190Ω		SS 316	Empty-Full	12V/24V	Φ52mm
	JMV00001	CPWR-BS-240-33	240-33Ω					
	JMV00650	CPWR-WS-0-190	0-190Ω					
	JMV00040	CPWR-WS-240-33	240-33Ω					
	JMV00999	CPWR-BN-0-190	0-190Ω		SS 316 in black			
	JMV00694	CPWR-BN-240-33	240-33Ω					
	JMV00011	CPWR-BB-0-190	0-190Ω		plastic in black			
	JMV00005	CPWR-BB-240-33	240-33Ω					
	JMV00666	CPWR-WW-0-190	0-190Ω		plastic in white			
	JMV00003	CPWR-WW-240-33	240-33Ω					



VOLTMETER											
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension			
	JMV00045	CPVR-BS-8-16	8-16V		SS 316	8-16V	12V	Φ52mm			
	JMV00046	CPVR-WS-8-16			SS 316 in black						
	JMV01000	CPVR-BN-8-16									
	JMV00016	CPVR-BB-8-16			plastic in black						
JMV00017	CPVR-WW-8-16			plastic in white							
JMV00626	CPVR-BS-18-32	18-32V		SS 316	18-32V	24V					
JMV00627	CPVR-WS-18-32			SS 316 in black							
JMV00628	CPVR-BN-18-32										
JMV00624	CPVR-BB-18-32			plastic in black							
JMV00625	CPVR-WW-18-32			plastic in white							

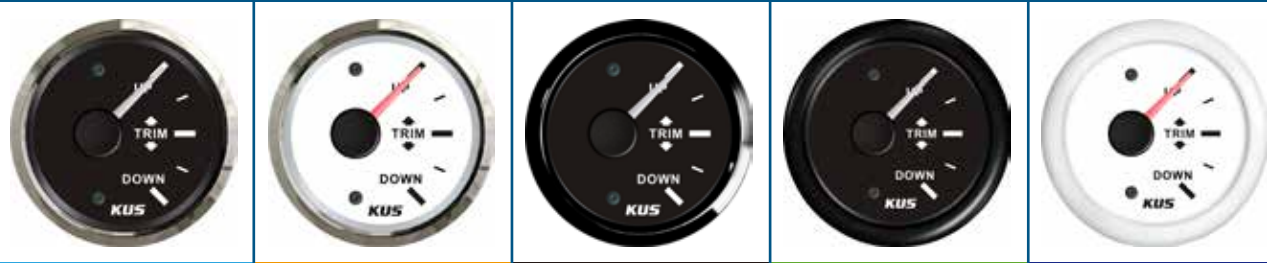
Sea V Series

WATER TEMP.										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV00058	CPTR-BS-40-120	Matched with KUS temperature sensor		SS 316	40-120℃	12V/24V	Φ52mm		
	JMV00059	CPTR-WS-40-120								
	JMV01001	CPTR-BN-40-120			SS 316 in black					
JMV00022	CPTR-BB-40-120			plastic in black						
JMV00023	CPTR-WW-40-120			plastic in white						

OIL TEMP.								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV00060	CPYR-BS-50-150	Matched with KUS temperature sensor		SS 316	50-150℃	12V/24V	Φ52mm
	JMV00061	CPYR-WS-50-150						
	JMV00693	CPYR-BN-50-150			SS 316 in black			
	JMV00140	CPYR-BB-50-150			plastic in black			
JMV00141	CPYR-WW-50-150			plastic in white				

TRIM							
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01002	CPIR-BS-0-190	0-190Ω		SS 316	DOWN-UP	12V/24V	Φ52mm
JMV01003	CPIR-WS-0-190						
JMV01004	CPIR-BN-0-190			SS 316 in black			
JMV01005	CPIR-BB-0-190			plastic in black			
JMV01006	CPIR-WW-0-190			plastic in white			

Sea V Series

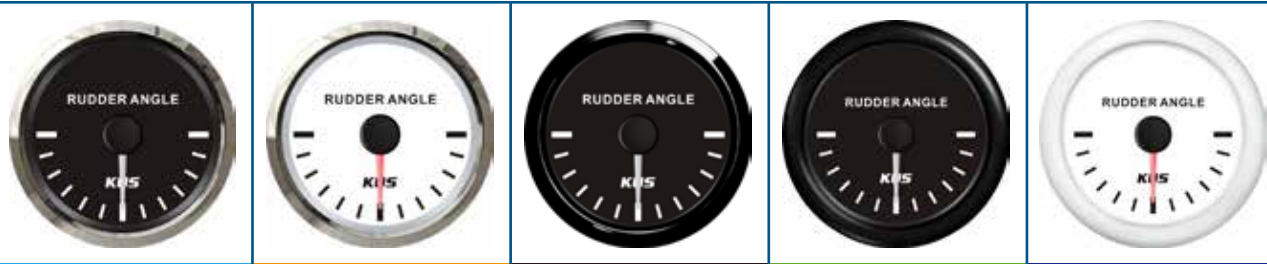
TRIM							
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage
JMV01007	CPIR-BS-0-190	0-190Ω		SS 316	UP-DOWN	12V/24V	Φ52mm
JMV01008	CPIR-WS-0-190						
JMV01009	CPIR-BN-0-190						
JMV01010	CPIR-BB-0-190						
JMV01011	CPIR-WW-0-190						
JMV01012	CPIR-BS-160-10	160-10Ω * To match with mercury or force engine.		SS 316	UP-DOWN	12V/24V	Φ52mm
JMV01013	CPIR-WS-160-10						
JMV01014	CPIR-BN-160-10						
JMV01015	CPIR-BB-160-10						
JMV01016	CPIR-WW-160-10						

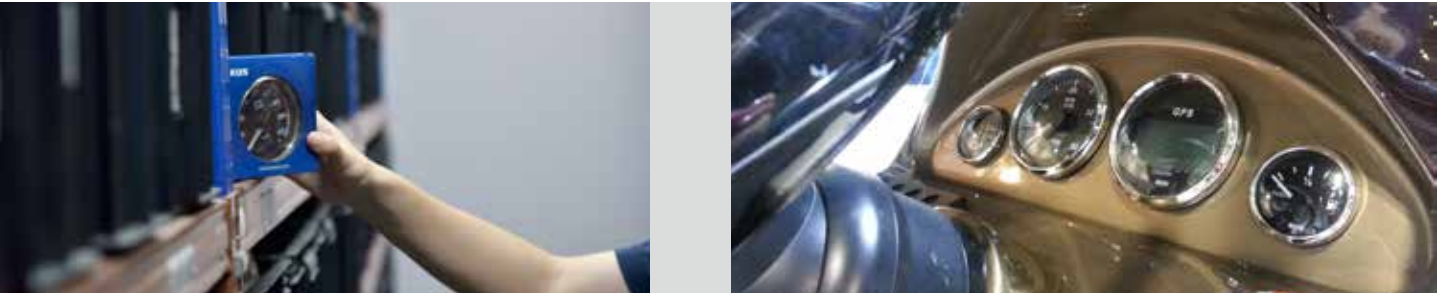


OIL PRESSURE								
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension	
JMV00062	CPPR-BS-0-5	10-184Ω		SS 316	0-5Bar	12V/24V	Φ52mm	
JMV00063	CPPR-WS-0-5							
JMV01017	CPPR-BN-0-5							
JMV00029	CPPR-BB-0-5							
JMV00030	CPPR-WW-0-5			plastic in black				
JMV00064	CPPR-BS-0-10			plastic in white				
JMV00065	CPPR-WS-0-10			SS 316	0-10Bar			
JMV01018	CPPR-BN-0-10							
JMV00031	CPPR-BB-0-10							
JMV00032	CPPR-WW-0-10							

Sea V Series

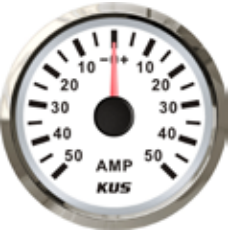
HOLDING TANK							
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage
JMV00699	CPGR-BS-0-190	0-190Ω		SS 316	LOW-FULL	12V/24V	Φ52mm
JMV00700	CPGR-WS-0-190			SS 316 in black			
JMV01019	CPGR-BN-0-190			plastic in black			
JMV00701	CPGR-BB-0-190			plastic in white			
JMV00702	CPGR-WW-0-190			SS 316			
JMV00072	CPGR-BS-240-33	240-33Ω		SS 316			
JMV00004	CPGR-WS-240-33			SS 316 in black			
JMV01020	CPGR-BN-240-33			plastic in black			
JMV00039	CPGR-BB-240-33			plastic in white			
JMV00006	CPGR-WW-240-33						

RUDDER ANGLE										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
JMV00056	CMRR-BS-87-900	87-900Ω, Matched with JSM4480 rudder angle sensor.		SS 316	R-L	12V/24V	Φ52mm			
JMV00057	CMRR-WS-87-900									
JMV00591	CMRR-BN-87-900			SS 316 in black						
JMV00010	CMRR-BB-87-900			plastic in black						
JMV00028	CMRR-WW-87-900			plastic in white						
JMV00594	CMRR-BS-0-190	0-190Ω, Matched with KE41000 rudder angle sensor.		SS 316						
JMV00595	CMRR-WS-0-190							SS 316 in black		
JMV00596	CMRR-BN-0-190									
JMV00592	CMRR-BB-0-190			plastic in black						
JMV00593	CMRR-WW-0-190			plastic in white						



Sea V Series

RUDDER ANGLE															
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension							
	JMV00842	CMRR-BS-0-190	0-190Ω, Matched with KE41000 rudder angle sensor.		SS 316	R-L	12V/24V	Φ52mm							
	JMV00843	CMRR-WS-0-190			SS 316 in black										
	JMV00844	CMRR-BN-0-190													
	JMV00845	CMRR-BB-0-190													
JMV00846	CMRR-WW-0-190			plastic in white											

AMMETER										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV00641	CMAR-BS±50	Matched with KUS 50A current shunt unit		SS 316	±50 A	12V/24V	Φ52mm		
	JMV00085	CMAR-WS±50			SS 316 in black					
	JMV00642	CMAR-BN±50			plastic in black					
JMV00639	CMAR-BB±50			plastic in white						
JMV00640	CMAR-WW±50									
JMV00807	CMAR-BS±80	Matched with KUS 100A current shunt unit		SS 316	±80 A					
JMV00086	CMAR-WS±80			SS 316 in black						
JMV01021	CMAR-BN±80			plastic in black						
JMV00139	CMAR-BB±80			plastic in white						
JMV00088	CMAR-WW±80									
JMV00084	CMAR-BS±150	Matched with KUS 150A current shunt unit		SS 316	±150 A					
JMV00645	CMAR-WS±150			SS 316 in black						
JMV00646	CMAR-BN±150			plastic in black						
JMV00643	CMAR-BB±150			plastic in white						
JMV00644	CMAR-WW±150									



CURRENT SHUNT UNIT

- * The ammeter works exceptionally well with KUS current shunt unit.
- * The working voltage of KUS current shunt unit is 8-32VDC, which is compatible with most of the ammeters.
- * With Hall current testing method, KUS current shunt unit features long service life and accurate output. It also has the function of charge-discharge detection.

Sea V Series

CLOCK										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV00054	CMCR-BS-12	N/A		SS 316	12-hour format	12V/24V	Φ52mm		
	JMV00055	CMCR-WS-12								
	JMV01022	CMCR-BN-12			SS 316 in black					
	JMV00025	CMCR-BB-12			plastic in black					
JMV00026	CMCR-WW-12			plastic in white						

* Red backlight only

DIGITAL VOLTMETER										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV00052	CEVR-BS-9-32	9-32V		SS 316	9-32V	12V/24V	Φ52mm		
	JMV00053	CEVR-WS-9-32								
	JMV01023	CEVR-BN-9-32			SS 316 in black					
JMV00024	CEVR-BB-9-32			plastic in black						
JMV00027	CEVR-WW-9-32			plastic in white						

DIGITAL WATER TEMP.										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV01024	CETR-BS-25-120	Matched with KUS temperature sensor		SS 316	25-120°C	12V/24V	Φ52mm		
	JMV01025	CETR-WS-25-120								
	JMV01026	CETR-BN-25-120			SS 316 in black					
	JMV01027	CETR-BB-25-120			plastic in black					
JMV01028	CETR-WW-25-120			plastic in white						

Sea V Series

DIGITAL AMMETER							
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV00631	CEAR-BS±50	Matched with KUS 50A current shunt unit		SS 316	±50A	12V/24V	Φ52mm
JMV00632	CEAR-WS±50						
JMV00633	CEAR-BN±50			SS 316 in black			
JMV00629	CEAR-BB±50			plastic in black			
JMV00630	CEAR-WW±50			plastic in white			
JMV00636	CEAR-BS±80	Matched with KUS 100A current shunt unit		SS 316	±80A		
JMV00637	CEAR-WS±80						
JMV00638	CEAR-BN±80			SS 316 in black			
JMV00634	CEAR-BB±80			plastic in black			
JMV00635	CEAR-WW±80			plastic in white			
JMV00082	CEAR-BS±150	Matched with KUS 150A current shunt unit		SS 316	±150A		
JMV00047	CEAR-WS±150						
JMV01029	CEAR-BN±150			SS 316 in black			
JMV00080	CEAR-BB±150			plastic in black			
JMV00081	CEAR-WW±150			plastic in white			

DIGITAL OIL PRESSURE								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV00661	CEPR-BS-0-5	10-184Ω		SS 316	0-5Bar	12V/24V	Φ52mm
	JMV00662	CEPR-WS-0-5			SS 316			
	JMV00663	CEPR-BN-0-5			SS 316 in black			
	JMV00664	CEPR-BB-0-5			plastic in black			
	JMV00665	CEPR-WW-0-5			plastic in white			
JMV00599	CEPR-BS-0-10	10-184Ω		SS 316	0-10Bar			
JMV00600	CEPR-WS-0-10			SS 316				
JMV00601	CEPR-BN-0-10			SS 316 in black				
JMV00597	CEPR-BB-0-10			plastic in black				
JMV00598	CEPR-WW-0-10			plastic in white				

Sea V Series

DIGITAL FUEL LEVEL								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV01030	CEFR-BS-0-190	0-190Ω		SS 316	0-100%	12V/24V	Φ52mm
	JMV01031	CEFR-WS-0-190			SS 316			
	JMV01032	CEFR-BN-0-190			SS 316 in black			
	JMV01033	CEFR-BB-0-190			plastic in black			
	JMV01034	CEFR-WW-0-190			plastic in white			
JMV01035	CEFR-BS-240-33	240-33Ω		SS 316				
JMV01036	CEFR-WS-240-33			SS 316				
JMV01037	CEFR-BN-240-33			SS 316 in black				
JMV01038	CEFR-BB-240-33			plastic in black				
JMV01039	CEFR-WW-240-33			plastic in white				



HOURMETER										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV00048	CCUR-BS	N/A		SS 316	0-99999	12V/24V	Φ52mm		
	JMV00049	CCUR-WS								
	JMV01040	CCUR-BN			SS 316 in black					
	JMV00018	CCUR-BB			plastic in black					
JMV00019	CCUR-WW			plastic in white						

Sea V Series

DIGITAL 3 IN 1 MULTIFUNCTION									
		Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
		JMV01041	CP3-WGV-BS	as below		SS 316	as below	9-32V	Φ52mm
		JMV01042	CP3-WGV-WS			SS 316			
		JMV01043	CP3-WGV-BN			SS 316 in black			
JMV01044	CP3-WGV-BB		plastic in black						
JMV01045	CP3-WGV-WW		plastic in white						
Signal	0-190Ω for water level 0-190Ω for black water level 9-32V voltage meter Available for customized.				Display Range	water level: 0%-100% black water level: 0%-100% Voltmeter : 9.0-32.0V			



DIGITAL GPS SPEEDOMETER																	
		Part No.		Model		Signal		Picture Indicating		Bezel		Display Range		Working Voltage		Installation Dimension	
		JMV01046		CCSR-BS		GPS				SS 316		0-999Km/h		12V/24V		Φ52mm	
		JMV01047		CCSR-WS						SS 316							
		JMV01048		CCSR-BN						SS 316 in black							
JMV01049		CCSR-BB						plastic in black									
JMV01050		CCSR-WW						plastic in white									
		* This Speedo has the function of mileage accumulation (Maximum 99999 Km), and data can be saved even the gauge is power down. * 5 meters long GPS antenna is included in the package, so it's no need to order it separately. * Red background light only.															

Sea V Series

8 LED WATER LEVEL GAUGE											
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension				
JMV00114	CDWR-BS-240-33	240-33 Ω		SS 316	Empty-Full	12V/24V	Φ52mm				
JMV00117	CDWR-WS-240-33										
JMV01051	CDWR-BN-240-33			SS 316 in black							
JMV00119	CDWR-BB-240-33			plastic in black							
JMV00120	CDWR-WW-240-33			plastic in white							

8 LED FUEL LEVEL GAUGE											
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension				
JMV00104	CDFR-BS-240-33	240-33 Ω		SS 316	Empty-Full	12V/24V	Φ52mm				
JMV00108	CDFR-WS-240-33										
JMV01052	CDFR-BN-240-33			SS 316 in black							
JMV00111	CDFR-BB-240-33			plastic in black							
JMV00112	CDFR-WW-240-33			plastic in white							

8 LED HOLDING TANK GAUGE																	
		Part No.		Model		Signal		Picture Indicating		Bezel		Display Range		Working Voltage		Installation Dimension	
		JMV00121		CDGR-BS-240-33		240-33 Ω				SS 316		Low-Full		12V/24V		Φ52mm	
		JMV00122		CDGR-WS-240-33													
		JMV01053		CDGR-BN-240-33													
JMV00123		CDGR-BB-240-33						plastic in black									
JMV00124		CDGR-WW-240-33						plastic in white									

Sea V Series

NAVIGATION INDICATOR										
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
	JMV00050	CONR-BS-5LED	Matched with KUS controller		SS 316	N/A	12V/24V	Φ52mm		
	JMV00051	CONR-WS-5LED								
	JMV00590	CONR-BN-5LED								
	JMV00020	CONR-BB-5LED								
JMV00021	CONR-WW-5LED									

3 LED ALARM
INDICATOR

							
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01054	SSS-PAN-3LED-BS	Switch Signal		SS 316	FULL-HIGH-ON	12V/24V	Φ52mm
JMV01055	SSS-PAN-3LED-WS						
JMV01056	SSS-PAN-3LED-BN			SS 316 in black			
JMV01057	SSS-PAN-3LED-BB			plastic in black			
JMV01058	SSS-PAN-3LED-WW			plastic in white			

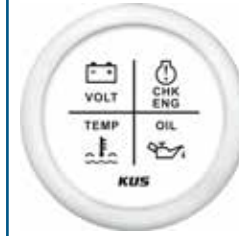
4 LED
ALARM GAUGE





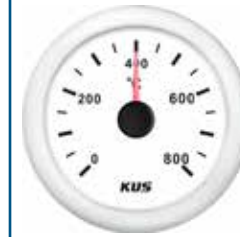






Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01059	CDQR-BS	Switch Signal		SS 316	N/A	12V/24V	Φ52mm
JMV01060	CDQR-WS						
JMV01061	CDQR-BN			SS 316 in black			
JMV01062	CDQR-BB			plastic in black			
JMV01063	CDQR-WW			plastic in white			

Sea V Series

EXHAUST TEMP. METER											
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension			
	JMV01064	CMTR-BS-0-800	0-33.277 MV		SS 316	0-800	12V/24V	Φ52mm			
	JMV01065	CMTR-WS-0-800									
	JMV01066	CMTR-BN-0-800									SS 316 in black
	JMV01067	CMTR-BB-0-800									plastic in black
	JMV01068	CMTR-WW-0-800									plastic in white
	JMV01069	CMTR-BS-0-200			SS 316	0-200					
	JMV01070	CMTR-WS-0-200									
	JMV01071	CMTR-BN-0-200									SS 316 in black
	JMV01072	CMTR-BB-0-200									plastic in black
	JMV01073	CMTR-WW-0-200									plastic in white

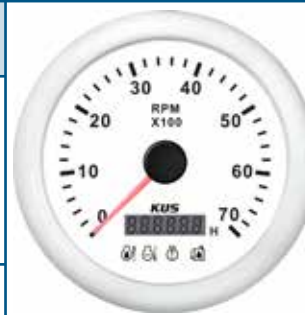


Exhaust Temperature Sensor

Used for sensing high temperatures such as exhaust gas. Standard K Type signal and ungrounded for use in both marine and automotive applications.

Part No.: JYE0207
Range: 0 - 800°C
Main material: SS316
With 5M sheathed wire
Thread: PT 3/8"
Form ungrounded

Part No.: 150210
Range: 0 - 200°C
Main material: SS316
With 3.5M sheathed wire
Thread: PT 3/8"
Form ungrounded

TACHOMETER with 4 LED ALARM									
Part No.	Model	Speed Ratio	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
JMV01074	CMHB-BS-7KL	1.0-10.0		SS 316	0-7000 RPM	12V/24V	Φ85mm		
JMV01075	CMHB-WS-7KL								
JMV01076	CMHB-BN-7KL								
JMV01077	CMHB-BB-7KL								
JMV01078	CMHB-WW-7KL								
* The light alarms including CHK ENG, Low Pressure, Low Fuel, Temperature.									

Sea V Series

TACHOMETER								
	Part No.	Model	Speed Ratio	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV00651	CMHB-BS-3KL	1.0-10.0		SS 316	0-3000 rpm	12V/24V	Φ85mm
	JMV00652	CMHB-WS-3KL			SS 316			
	JMV00653	CMHB-BN-3KL			SS 316 in black			
JMV00654	CMHB-BB-3KL			plastic in black				
JMV00655	CMHB-WW-3KL			plastic in white				
JMV00407	CMHB-BS-4KL			SS 316	0-4000 rpm			
JMV00667	CMHB-WS-4KL			SS 316				
JMV00680	CMHB-BN-4KL			SS 316 in black				
JMV00406	CMHB-BB-4KL			plastic in black				
JMV00668	CMHB-WW-4KL			plastic in white				
JMV00090	CMHB-BS-6KL			SS 316	0-6000 rpm			
JMV00091	CMHB-WS-6KL			SS 316				
JMV00681	CMHB-BN-6KL			SS 316 in black				
JMV00097	CMHB-BB-6KL			plastic in black				
JMV00100	CMHB-WW-6KL			plastic in white				
JMV00671	CMHB-BS-8KL			SS 316	0-8000 rpm			
JMV00095	CMHB-WS-8KL			SS 316				
JMV00682	CMHB-BN-8KL			SS 316 in black				
JMV00670	CMHB-BB-8KL			plastic in black				
JMV00669	CMHB-WW-8KL			plastic in white				
JMV00656	CMHB-BS-3KL	0.5-250		SS 316	0-3000 rpm			
JMV00657	CMHB-WS-3KL			SS 316				
JMV00658	CMHB-BN-3KL			SS 316 in black				
JMV00659	CMHB-BB-3KL			plastic in black				
JMV00660	CMHB-WW-3KL			plastic in white				
JMV00089	CMHB-BS-4KL			SS 316	0-4000 rpm			
JMV00093	CMHB-WS-4KL			SS 316				
JMV00602	CMHB-BN-4KL			SS 316 in black				
JMV00098	CMHB-BB-4KL			plastic in black				
JMV00101	CMHB-WW-4KL			plastic in white				
JMV00605	CMHB-BS-6KL			SS 316	0-6000 rpm			
JMV00096	CMHB-WS-6KL			SS 316				
JMV00606	CMHB-BN-6KL			SS 316 in black				
JMV00603	CMHB-BB-6KL			plastic in black				
JMV00604	CMHB-WW-6KL			plastic in white				
JMV00607	CMHB-BS-8KL			SS 316	0-8000 rpm			
JMV00094	CMHB-WS-8KL			SS 316				
JMV00608	CMHB-BN-8KL			SS 316 in black				
JMV00099	CMHB-BB-8KL			plastic in black				
JMV00102	CMHB-WW-8KL			plastic in white				

* Note : The speed ratio is adjustable. Alternative ratio range is 1.0-10.0

* Note : The speed ratio is adjustable. Alternative ratio range is 0.5-250.0.

Sea V Series

DIGITAL TACHOMETER								
	Part No.	Model	Speed Ratio	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV01079	CCHB-BS	1.0-10.0		SS 316	0-8000 rpm	12V/24V	Φ85mm
	JMV01080	CCHB-WS			SS 316			
	JMV01081	CCHB-BN			SS 316 in black			
JMV01082	CCHB-BB			plastic in black				
JMV01083	CCHB-WW			plastic in white				
* Note : The speed ratio is adjustable. Alternative ratio range is 1.0-10.0.								
JMV01084	CCHB-BS	0.5-250.0		SS 316	0-8000 rpm	12V/24V	Φ85mm	
JMV01085	CCHB-WS			SS 316				
JMV01086	CCHB-BN			SS 316 in black				
JMV01087	CCHB-BB			plastic in black				
JMV01088	CCHB-WW			plastic in white				
							* Note : The speed ratio is adjustable. Alternative ratio range is 0.5-250.0.	



Sea V Series

SPEEDOMETER							
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV00131	CPOB-BS-35	Pitot tube provides pressure signals		SS 316	0-35MPH	12V/24V	Φ85mm
JMV01089	CPOB-WS-35			SS 316			
JMV01090	CPOB-BN-35			SS 316 in black			
JMV01091	CPOB-BB-35			plastic in black			
JMV01092	CPOB-WW-35			plastic in white			
JMV00129	CPOB-BS-55			SS 316	0-55MPH		
JMV00130	CPOB-WS-55			SS 316			
JMV01093	CPOB-BN-55			SS 316 in black			
JMV01094	CPOB-BB-55			plastic in black			
JMV01095	CPOB-WW-55			plastic in white			
JMV00132	CPOB-BS-65			SS 316	0-65MPH		
JMV00154	CPOB-WS-65			SS 316			
JMV01096	CPOB-BN-65			SS 316 in black			
JMV00133	CPOB-BB-65			plastic in black			
JMV00833	CPOB-WW-65			plastic in white			

* Pitot tube need ordered separately.
Part No. : JYM1060

Part No. : JKE00284

SPEEDOMETER

Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01097	CMOB-BS-120L	Normal impulse		SS 316	0-120km/h	12V/24V	Φ85mm
JMV01098	CMOB-WS-120L						
JMV01099	CMOB-BN-120L			SS 316 in black			
JMV01100	CMOB-BB-120L			plastic in black			
JMV01101	CMOB-WW-120L			plastic in white			
JMV01102	CMOB-BS-200L			SS 316	0-200km/h		
JMV01103	CMOB-WS-200L						
JMV01104	CMOB-BN-200L			SS 316 in black			
JMV01105	CMOB-BB-200L			plastic in black			
JMV01106	CMOB-WW-200L			plastic in white			

Sea V Series

GPS
SPEEDOMETER

Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV00621	CMSB-BS-15L	GPS		SS 316	0-15Knots	12V/24V	Φ85mm
JMV00622	CMSB-WS-15L			SS 316			
JMV00623	CMSB-BN-15L			SS 316 in black			
JMV00619	CMSB-BB-15L			plastic in black			
JMV00620	CMSB-WW-15L			plastic in white			
JMV00070	CMSB-BS-30L			SS 316	0-30Knots		
JMV00071	CMSB-WS-30L			SS 316			
JMV01107	CMSB-BN-30L			SS 316 in black			
JMV00037	CMSB-BB-30L			plastic in black			
JMV00038	CMSB-WW-30L			plastic in white			
JMV00068	CMSB-BS-60L			SS 316	0-60Knots		
JMV00069	CMSB-WS-60L			SS 316			
JMV00648	CMSB-BN-60L			SS 316 in black			
JMV00035	CMSB-BB-60L			plastic in black			
JMV00036	CMSB-WW-60L			plastic in white			



* 5 meters long GPS antenna is included in the package, so it's no need to order it separately.

Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
JMV00708	CMSB-BS-15L	GPS		SS 316	0-15Knots	12V/24V	Φ85mm	* With built-in GPS antenna.	
JMV00709	CMSB-WS-15L								
JMV01108	CMSB-BN-15L								SS 316 in black
JMV00710	CMSB-BB-15L								plastic in black
JMV00711	CMSB-WW-15L								plastic in white
JMV00712	CMSB-BS-30L			SS 316	0-30Knots				
JMV00713	CMSB-WS-30L								
JMV01109	CMSB-BN-30L								SS 316 in black
JMV00714	CMSB-BB-30L								plastic in black
JMV00715	CMSB-WW-30L								plastic in white
JMV00716	CMSB-BS-60L			SS 316	0-60Knots				
JMV00717	CMSB-WS-60L								
JMV00718	CMSB-BN-60L								SS 316 in black
JMV01110	CMSB-BB-60L								plastic in black
JMV00719	CMSB-WW-60L								plastic in white

Sea V Series

DIGITAL GPS SPEEDOMETER															
	Part No.	Model	Remarks	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension							
	JMV00611	CCSB-BS	I		SS 316	0-999 Knots	12V/24V	Φ85mm							
	JMV00612	CCSB-WS			SS 316 in black										
	JMV00613	CCSB-BN			plastic in black										
	JMV00609	CCSB-BB			plastic in white										
	JMV00610	CCSB-WW			SS 316										
	JMV00616	CCSB-BS	II		SS 316					0-999 Knots	12V/24V	Φ85mm			
	JMV00617	CCSB-WS			SS 316 in black										
	JMV00618	CCSB-BN			plastic in black										
	JMV00614	CCSB-BB			plastic in white										
	JMV00615	CCSB-WW			plastic in white										
I : The gauge has the function of accumulating the mileage of a single time, all data will reset when power on or unit switches.															
II : This Speedo has the function of mileage accumulation (Maximum 99999 Km), and data can be saved even the gauge is power down.															
 * Note: Customers can choose between units displaying in km/h, knots, or mph. The unit mileage and position are integrated into the display. The accumulated data will be cleared to zero after power off, it also can be customized for keeping the history data. * 5 meters long GPS antenna is included in the package, so it's no need to order it separately.															
Part No.	Model	Remarks	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension								
JMV00683	CCSB-BS	III		SS 316	0-999Knots	12V/24V	Φ85mm								
JMV00684	CCSB-WS			SS 316 in black											
JMV00685	CCSB-BN			plastic in black											
JMV00686	CCSB-BB			plastic in white											
JMV00687	CCSB-WW			SS 316											
JMV00688	CCSB-BS	IV		SS 316					0-999Knots	12V/24V	Φ85mm				
JMV00689	CCSB-WS			SS 316 in black											
JMV00690	CCSB-BN			plastic in black											
JMV00691	CCSB-BB			plastic in white											
JMV00692	CCSB-WW			plastic in white											
* With built-in GPS antenna.															
III: The gauge has the function of accumulating the mileage of a single time, all data will reset when power on or unit switches.															
IV: This Speedo had the function of mileage accumulation(Maximum 99999Km), and data can be saved even the gauge is power down.															

Sea V Series

RUDDER ANGLE									
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension	
	JMV01111	CMRB-BS-0-190	0-190Ω		SS 316	R-L	12V/24V	Φ85mm	
	JMV01112	CMRB-WS-0-190			SS 316 in black				
	JMV01113	CMRB-BN-0-190			plastic in black				
JMV01114	CMRB-BB-0-190			plastic in white					
JMV01115	CMRB-WW-0-190			plastic in white					
* The rudder angle with Signal 0-190Ω can be matched with KE41000,.									

RUDDER ANGLE									
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension	
	JMV01116	CMRB-BS-0-5K	Adjustable Range: 0-5K		SS 316		12V/24V	Φ85mm	
	JMV01117	CMRB-WS-0-5K			SS 316 in black				
	JMV01118	CMRB-BN-0-5K			plastic in black				
JMV01119	CMRB-BB-0-5K			plastic in white					
JMV01120	CMRB-WW-0-5K			plastic in white					
* The adjustable 0-5K rudder angle meter can be used with the KE41002 rudder angle sensor, and the rudder angle meter is backlit only in red.									



Sea V Series

RUDDER ANGLE






Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01121	CMRB-BS-O-190	0-190Ω, Matched with KE41000 rudder angle sensor.		SS 316	R-L	12V/24V	Φ85mm
JMV01122	CMRB-WS-O-190			SS 316 in black			
JMV01123	CMRB-BN-O-190			plastic in black			
JMV01124	CMRB-BB-O-190			plastic in black			
JMV01125	CMRB-WW-O-190			plastic in white			





3 IN 1 MULTIFUNCTION								
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension	
JMV01126	CMQE-BS-3	0-190ohm for fuel level meter 8-16V voltage meter		SS 316	Fuel level meter: empty-full Voltmeter: 8-16v Tachometer: 0-6000rpm	12V/24V	Φ110mm	
JMV01127	CMQE-WS-3	0-6000RPM tachometer						

Sea V Series

4 IN 1
MULTIFUNCTION





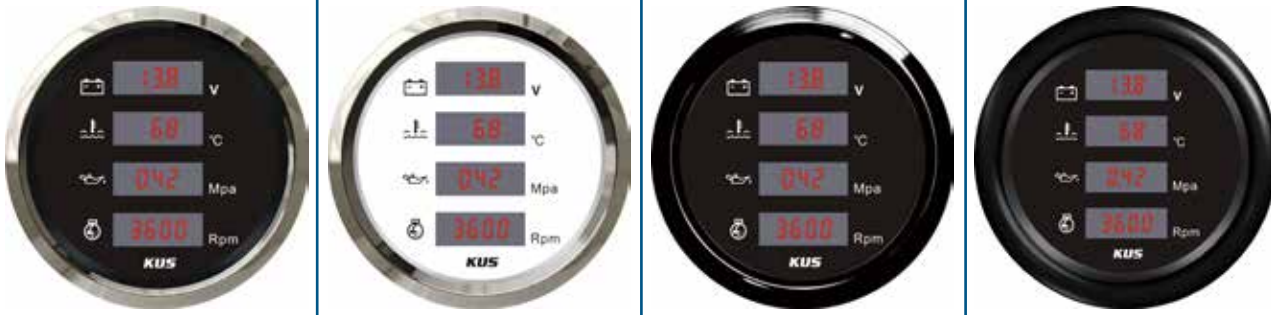
Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01128	CMQE-BS-4	Input Signal : 240-33ohm for oil pressure meter 240-33ohm for fuel level meter 8-16V voltage meter Input Signal 328-22ohm for water temperature meter		SS 316	Oil press. meter: 0-72.5psi Water temp. meter: 100-250 °F Fuel level meter: empty-full Voltmeter: 8-16v	12V/24V	Φ110mm
JMV01129	CMQE-WS-4						

60MPH SPEEDOMETER								
	Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV01130	CMSE-BS-60	GPS signal		SS 316	0-60MPH	12V/24V	Φ110mm
	JMV01131	CMSE-WS-60						

0-6000 RPM TACHOMETER								
	Part No.	Model	Speed Ratio	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
	JMV01132	CMHE-BS-6KL	1.0-10.0		SS 316	0-6000 RPM	12V/24V	Φ110mm
	JMV01133	CMHE-WS-6KL						

Sea V Series

DIGITAL 4 IN 1
MULTIFUNCTION



Part No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension			
JMV01134	P4-VTPR-BS	as below		SS 316	as below	12V/24V	Φ85mm			
JMV01135	P4-VTPR-WS			SS 316 in black						
JMV01136	P4-VTPR-BN									
JMV01137	P4-VTPR-BB									
JMV01138	P4-VTPR-WW			plastic in white						
Signal		Input Signal 301-23 ohm for water temp. meter Input Signal : 10-185 ohm for oil pressure meter 0-6000RPM tachometer Speed Ratio : 0.5-250.0			Display Range	Voltmeter: 9-32V Water temp. meter: 40-120°C Oil pressure meter: 0-1mpa Tachometer: 0-6000rpm				



Gauge Accessories

Gauge Holder

Part No.	Size	Material
JYA0061	52 mm	Alu.
JYA0062	85 mm	



GAUGE BEZEL(Plastic)

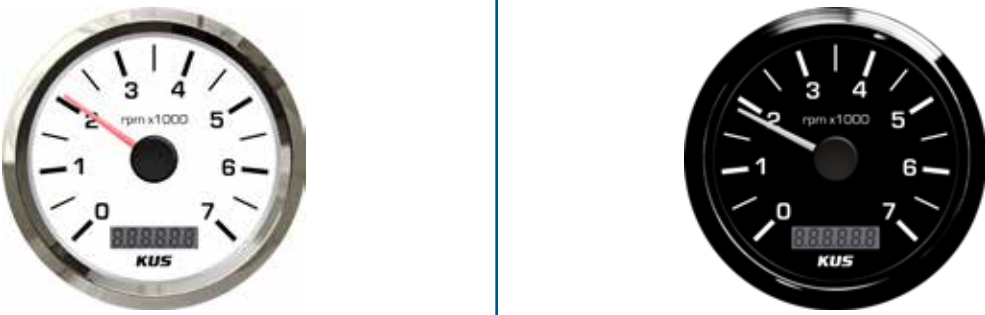
* The above bezels are only for plastic bezel gauge replacement, not applicable for the stainless steel bezel gauge.



Part No.	Size	Color
160001	52 mm	White Plastic
160041	85 mm	
160000	52 mm	Black Plastic
160040	85 mm	
160003	52 mm	Golden Plastic
JYP1556	85 mm	
160002	52 mm	Sliver Plastic
160042	85 mm	

Sea V Series

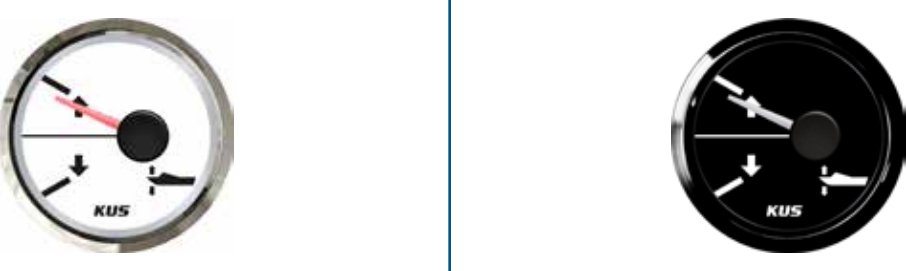
TACHOMETER



Part No.	Model	HONDA Engine Number	Engine Stroke /Cylinder	Picture Indicating	Bezel	Display Range	Engine Maximum Speed	Working Voltage	Installation Dimension
JMV01139	CMHB-WS-7KL	BF90/BF100/ BF115/BF150	2/2		SS 316	0-7000	5000-6000 rpm	12V/24V	Φ85mm
JMV01140	CMHB-BN-7KL		4/4		SS 316 in black				
JMV01141	CMHB-WS-7KL	BF20/BF15 BF9.9/BF8	4/2		SS 316				
JMV01142	CMHB-BN-7KL				SS 316 in black				
JMV01143	CMHB-WS-7KL	BF5/BF2	4/1		SS 316				
JMV01144	CMHB-BN-7KL				SS 316 in black				



TRIM



Part No.	Model	Resistance Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
JMV01145	CMIR-WS-3.3-0.6	0.6-3.3v		SS 316	DOWN-UP	12V/24V	Φ52mm
JMV01146	CMIR-BN-3.3-0.6			SS 316 in black			

Gauge Panel series

KUS marine gauge panels are designed to meet customer needs. Its elegant and simple design allows easy assembly and convenient routine maintenance. Acousto-optic alarming, over current protection, over voltage protection, and other features are integrated into the gauge panel. The gauge panels' color, size, functions, and working voltage of 12V or 24V can be customized.



P/N	Gauge Panel	
Part No.	KY89915	KY89903
Working Voltage	12V	24V
Matching Sensor	Magnetoelectric Tacho Sensor : M16*1.5	
	Water temp. sensor: 90°C alarm, M16*1.5	
	Pressure sensor : 0-10bar, 0.8bar alarm NPT 1/8	
Installation DIM	335*200*125mm	



P/N	Gauge Panel	
Part No.	KY89912	
Working Voltage	24V	
Matching Sensor	Magnetoelectric Tacho Sensor : M16*1.5	
	Water temp. sensor: 90°C alarm, M16*1.5	
	Pressure sensor : 0-10bar, 0.8bar alarm NPT 1/8	
Installation DIM	386*198*130mm	



P/N	Gauge Panel	
Part No.	JMV00339	
Working Voltage	12V/24V	
Matching Sensor	Matched with CAN-BUS protocol	
Installation DIM	270*170*70mm	



P/N	Gauge Panel	
Part No.	KY89911	KY89910
Working Voltage	12V	24V
Matching Sensor	Magnetoelectric Tacho Sensor : M16*1.5	
	Water temp. sensor: 90°C alarm, M16*1.5	
	Pressure sensor : 0-10bar, 0.8bar alarm NPT 1/8	
Installation DIM	243*196*130mm	



P/N	Gauge Panel	
Part No.	KY89904	KY89905
Working Voltage	12V	24V
Matching Sensor	Magnetoelectric Tacho Sensor : M16*1.5	
	Water temp. sensor: 90°C alarm, M16*1.5	
	Pressure sensor : 0-10bar, 0.8bar alarm NPT 1/8	
Installation DIM	335*200*125mm	



P/N	Gauge Panel	
Part No.	KY89923	
Working Voltage	12V/24V	
Installation DIM	250*190mm	



P/N	KUS-3
Art. No.	KY89929
Working Voltage	12V
Installation Dimension	190*75.5 mm



P/N	Gauge Panel
Art. No.	KY89924
Working Voltage	12V/24V
Installation Dimension	190*88 mm



P/N	P2
Art. No.	KY79902
Working Voltage	12V
Installation Dimension	100.5*79 mm

Fishing Parts



Pole Holder

Part No.	Spec.	Material
180040	length: 155mm	SS 316



Pole Holder

Part No.	Spec.	Material
180041	length: 155mm	SS 316



Plastic Holder

Part No.	Spec.	Material
180061	Packing Size:250*180mm Color: White	PP



Towel Clip

Part No.	Spec.	Material
180034	Large size: 30mm Color: Blue	PP
180030	Large size: 30mm Color: Black	PP
180031	Large size: 30mm Color: White	PP



Pole Holder Clip

Part No.	Spec.	Material
180080	Size: 28-32mm	POM+SS316





Liquid Level Senders

KUS liquid level sending units are widely used in marine, on-road, off-road, and industrial applications. The liquid level sending unit utilizes reed switch and magnetic field technology.

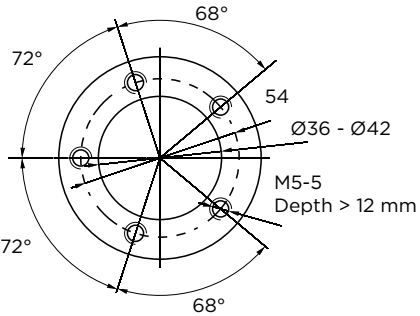
The advantage of reed switch type level sending units over thick-film swing arm type level units is the reed switch’s durability and reliability. The float is the only moving part on the reed switch level sending units, thereby minimizing potential mechanical failures.



Liquid Level Senders

NS5

The NS5 series electronic liquid level senders utilize the stability and accuracy of KUS reed switch technology. It is a simple “plug and play” solution for providing fuel or water level signal to the NMEA 2000 network, without the need of additional converter or adapter.



Specifications

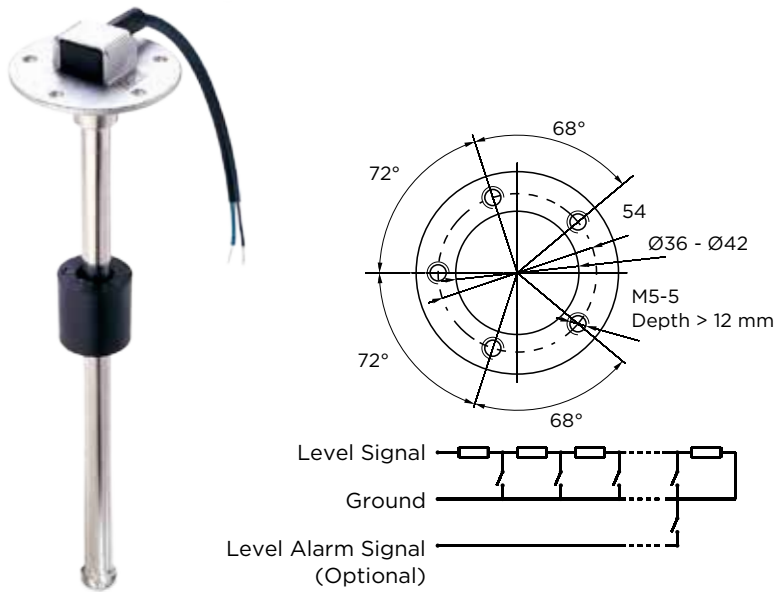
Material	SUS 316 Stainless Steel body, NBR float
Mounting	SAE 5 Hole Pattern
IP Rating	IP67
Resolution	0.5” - 0.8” (10 mm - 21 mm)
Operating Temperature	-22°F to +176°F (-30°C to +80°C)
Lengths	4” - 78” (100 mm - 2000 mm), customizable
Accessories	M5 screws x 5 2 mm thick NBR gasket x 1

Part No.	Product Name	Part No.	Product Name	Part No.	Product Name	Specification
JKS03922	NS5-150mm	JKS03928	NS5-350mm	JKS03934	NS5-650mm	Output Signal: NMEA 2000 Network Messages Alarm: No Working Voltage: 9-16V Length of wire: 980mm
JKS03923	NS5-200mm	JKS03929	NS5-400mm	JKS03935	NS5-700mm	
JKS03924	NS5-225mm	JKS03930	NS5-450mm	JKS03936	NS5-750mm	
JKS03925	NS5-250mm	JKS03931	NS5-500mm	JKS03937	NS5-800mm	
JKS03926	NS5-275mm	JKS03932	NS5-550mm			
JKS03927	NS5-300mm	JKS03933	NS5-600mm			

Part No.	Product Name	Part No.	Product Name	Part No.	Product Name	Specification
JKS02822	NS5-150mm	JKS02828	NS5-350mm	JKS02834	NS5-650mm	Output Signal: NMEA 2000 Network Messages Alarm: No Working Voltage: 9-32V Length of wire: 980mm
JKS02823	NS5-200mm	JKS02829	NS5-400mm	JKS02835	NS5-700mm	
JKS02824	NS5-225mm	JKS02830	NS5-450mm	JKS02836	NS5-750mm	
JKS02825	NS5-250mm	JKS02831	NS5-500mm	JKS02837	NS5-800mm	
JKS02826	NS5-275mm	JKS02832	NS5-550mm			
JKS02827	NS5-300mm	JKS02833	NS5-600mm			

* Please contact us for more details.

SSS/SSL

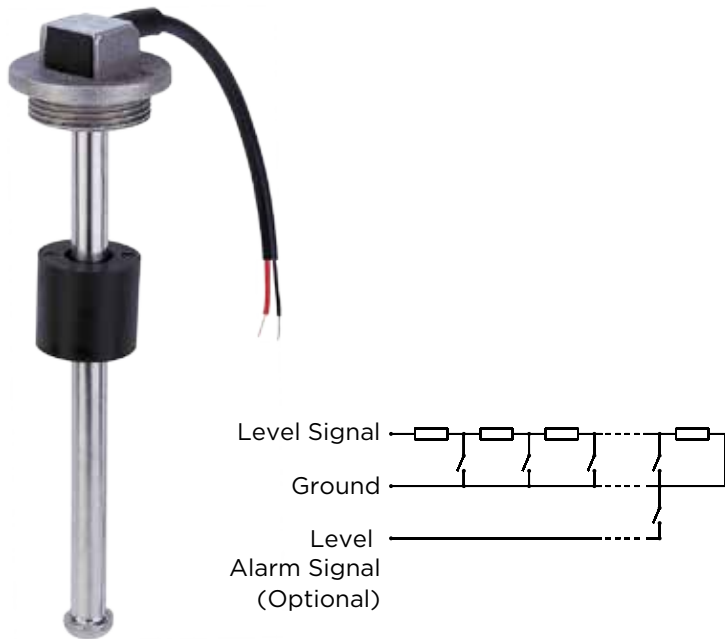


Specifications

Material	SUS 304/316 Stainless Steel body, NBR float, PVC cable
Mounting	SAE 5 Hole Pattern
IP Rating	IP67
Signal Output	Resistance control signal American Standard 240-33 ohms European Standard 0-180 ohms
Resolution	0.5” - 0.8” (10 mm - 21 mm)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Lengths	4” - 78” (100 mm - 2000 mm), customizable
Accessories	M5 screws x 5 2 mm thick NBR gasket x 1

Part No.	Product Name	Part No.	Product Name	Part No.	Product Name	Specification
151320	SSS-4	153044	SSL-16	153053	SSL-21	Output Signal: 240-33Ω Length of Wire: 280mm Gasket: No Alarm: No Logo: KUS
151322	SSS-5	153046	SSL-17	153054	SSL-22	
151324	SSS-6	153048	SSL-18	153056	SSL-24	
151326	SSS-7	153050	SSL-19	153057	SSL-25	
151328	SSS-8	153052	SSL-20	153058	SSL-26	
151330	SSS-9	153055	SSL-23	153059	SSL-27	
151332	SSS-10	153077	SSL-45	153060	SSL-28	
151334	SSL-11	153081	SSL-49	JKS02194	SSL-11	
151336	SSL-12	153088	SSL-56	JKS02196	SSL-12	
151338	SSL-13	153089	SSL-57	JKS03477	SSL-12	
153040	SSL-14	153090	SSL-58	JKS03488	SSL-12	

S3U

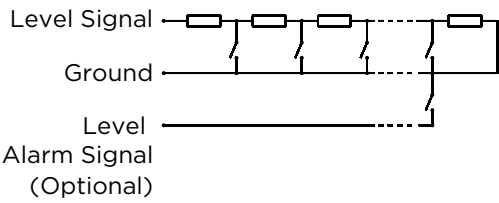


Specifications

Material	SUS 304/316 Stainless Steel body, NBR float, PVC cable
Mounting	BSP 1.25” Thread
IP Rating	IP67
Signal Output	Resistance control signal American Standard 240-33 ohms European Standard 0-180 ohms
Resolution	0.5” - 0.8” (10 mm - 21 mm)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Lengths	4” - 78” (100 mm - 2000 mm), customizable

Part No.	Product Name	Part No.	Product Name	Part No.	Product Name	Specification
153098	S3U-10	153109	S3U-21	153120	S3U-32	Output Signal: 240-33Ω Length of Wire: 280mm Gasket: NBR Alarm: No Logo: KUS
153099	S3U-11	153110	S3U-22	153121	S3U-33	
153100	S3U-12	153111	S3U-23	153122	S3U-34	
153101	S3U-13	153112	S3U-24	153123	S3U-35	
153102	S3U-14	153113	S3U-25	153124	S3U-36	
153103	S3U-15	153114	S3U-26	153125	S3U-37	
153104	S3U-16	153115	S3U-27	153126	S3U-38	
153105	S3U-17	153116	S3U-28	153127	S3U-39	
153106	S3U-18	153117	S3U-29	153128	S3U-40	
153107	S3U-19	153118	S3U-30	153129	S3U-41	
153108	S3U-20	153119	S3U-31	153130	S3U-42	

S3HT



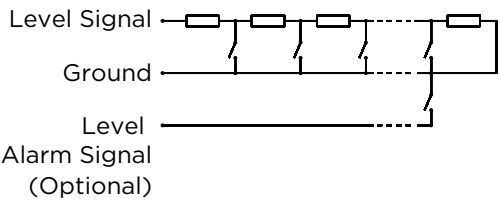
Specifications	
Material	SUS 316 Stainless Steel body
Mounting	BSP 1.25" Thread
IP Rating	IP67
Signal Output	Resistance control signal American Standard 240-33 ohms European Standard 0-180 ohms
Resolution	0.5" - 1.5" (10 mm - 40 mm)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Lengths	4", 6", 8", 12", 16", customizable

Part No.	Length(mm)	Specification	Part No.	Length(mm)	Specification
JS63186	S3HT-U150	Output Signal: 240-33Ω Length of Wire: 280mm Gasket: NBR Logo: KUS	JS63171	S3HT-E150	Output Signal: 0-190Ω Length of Wire: 280mm Gasket: NBR Logo: KUS
JS63187	S3HT-U175		JS63172	S3HT-E175	
JS63062	S3HT-U200		JS63173	S3HT-E200	
JS63188	S3HT-U225		JS63174	S3HT-E225	
JS63189	S3HT-U250		JS63148	S3HT-E250	
JS63203	S3HT-U275		JS63205	S3HT-E275	
JS63063	S3HT-U300		JS63149	S3HT-E300	
JS63014	S3HT-U350		JS63089	S3HT-E350	
JS63064	S3HT-U400		JS63146	S3HT-E400	
JS63190	S3HT-U450		JS63175	S3HT-E450	
JS63191	S3HT-U500		JS63152	S3HT-E500	

Note: The above items are without flange, but we can offer optional flange, refer to JSM1714 on page 56.

* Please contact us for more details.

S5H



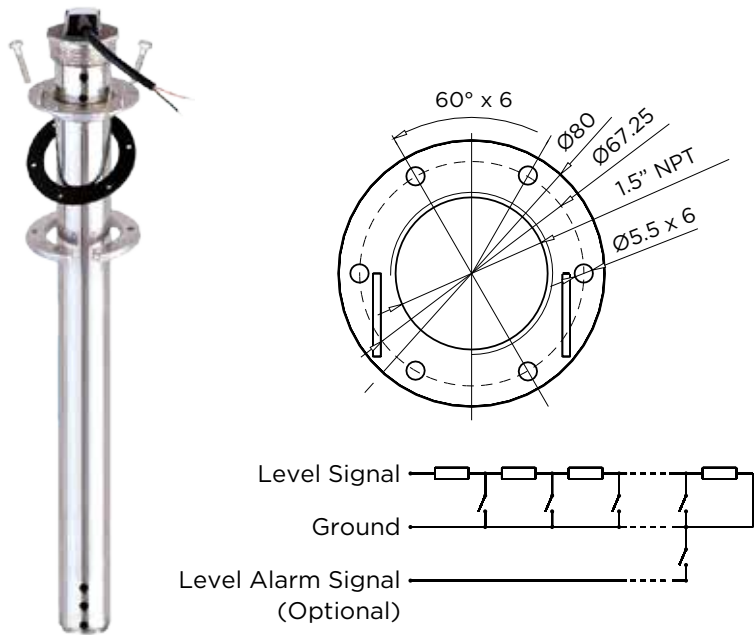
Specifications	
Material	SUS 316 Stainless Steel body
Mounting	SAE 5 Hole Pattern
IP Rating	IP67
Signal Output	Resistance control signal American Standard 240-33 ohms European Standard 0-180 ohms
Resolution	0.5" - 1.5" (10 mm - 40 mm)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Lengths	4", 6", 8", 12", 16", 20", 30", customizable

Part No.	Length(mm)	Specification	Part No.	Length(mm)	Specification
JKS00103	S5H-U150	Output Signal: 240-33Ω Length of Wire: 460mm Gasket: NBR Logo: KUS	JKS00092	S5H-E150	Output Signal: 0-190Ω Length of Wire: 460mm Gasket: NBR Logo: KUS
JKS00104	S5H-U175		JKS00093	S5H-E175	
JKS00105	S5H-U200		JKS00094	S5H-E200	
JKS00106	S5H-U225		JKS00095	S5H-E225	
JKS00107	S5H-U250		JKS00096	S5H-E250	
JKS00108	S5H-U275		JKS00097	S5H-E275	
JKS00109	S5H-U300		JKS00098	S5H-E300	
JKS00110	S5H-U350		JKS00099	S5H-E350	
JKS00111	S5H-U400		JKS00100	S5H-E400	
JKS00112	S5H-U450		JKS00101	S5H-E450	
JKS00113	S5H-U500		JKS00102	S5H-E500	

* Please contact us for more details.

Holding Tank Senders

SHS



Specifications

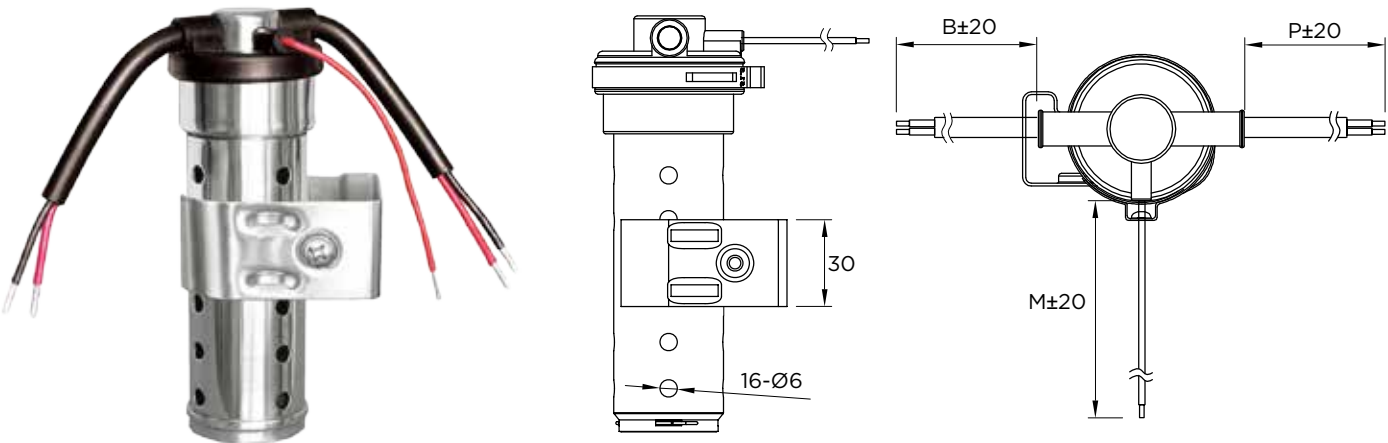
Material	SUS 316 Stainless Steel body, PVC wire
Mounting	NPT 1.5" Thread Twist-In
IP Rating	IP67
Signal Output	Resistance control signal American Standard 240-33 ohms European Standard 0-180 ohms
Resolution	0.5" - 1.5" (10 mm - 40 mm)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Lengths	4", 6", 8", 12", 16", 20", 30", customizable

Part No.	Product Name	Specification
26420	SHS-12	Output Signal: 240-33Ω Length of Wire: 280mm Gasket: No Alarm: No Logo: KUS With Flange
26425	SHS-14	
26430	SHS-16	
26434	SHS-18	
26444	SHS-20	
26448	SHS-22	
26452	SHS-24	
26460	SHS-28	
26492	SHS-38	
26514	SHS-48	

* Please contact us for more details.

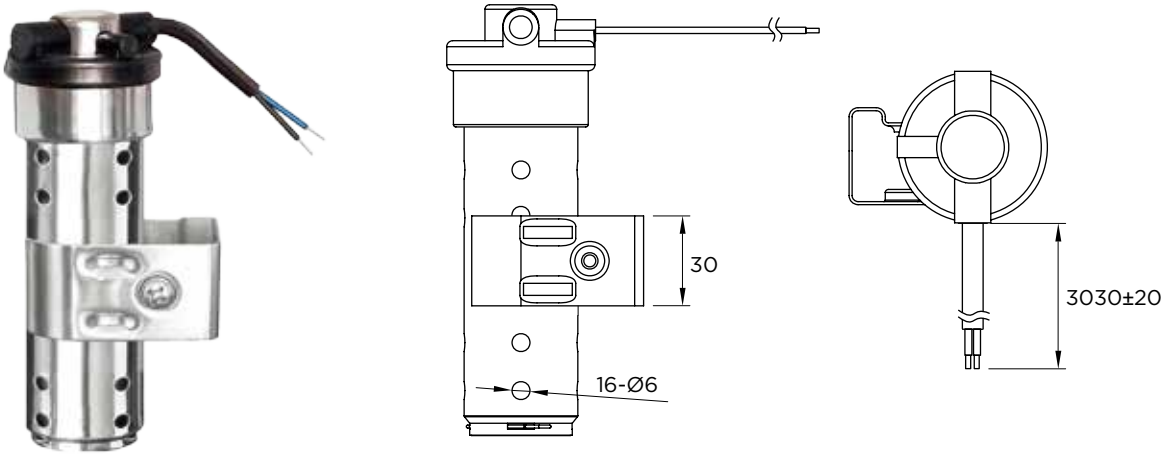
Bilge Senders

PBK



Material	Length	Voltage	Mounting	Gasket	Connector
SS 316 Stainless Steel	4" (100 mm)	24V	BSP 1.25" Thread	NBR	NO
SS 316 Stainless Steel	4" (100 mm)	12 V	BSP 1.25" Thread	NBR	YES

OVG



Material	Length	Voltage	Mounting	Gasket	Connector
SS 316 Stainless Steel	4" (100 mm)	12V/24V	BSP 1.25" Thread	NBR	NO

Accessories

Model Number: HFL

Part No.: JSM1714

Tooside/underside kit to suit
S3HT 1.25" BSP senders



Model Number: FL-2 WE

Part No.: JSP00172

Tooside flange to adapt S3U 1.25"
BSP to SAE 5 Hole Pattern



Model Number: FLS-U

Part No.: JS21880

C-ring flange for the SAE 5 Hole
Pattern on SSS/SSL senders



Model Number: Buzzer

Part No.: 162011

6.3 mm Buzzers



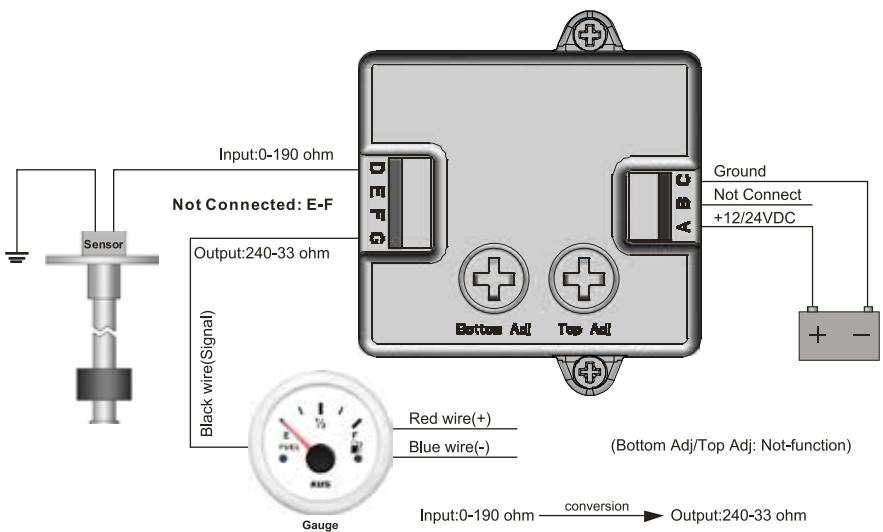
Signal Converter - EU/US | US/EU



Part Number: JKE00473

E-F end short circuits:
Input American signal 240 ohms - 33 ohms
Output European signal 0 ohms -190 ohms

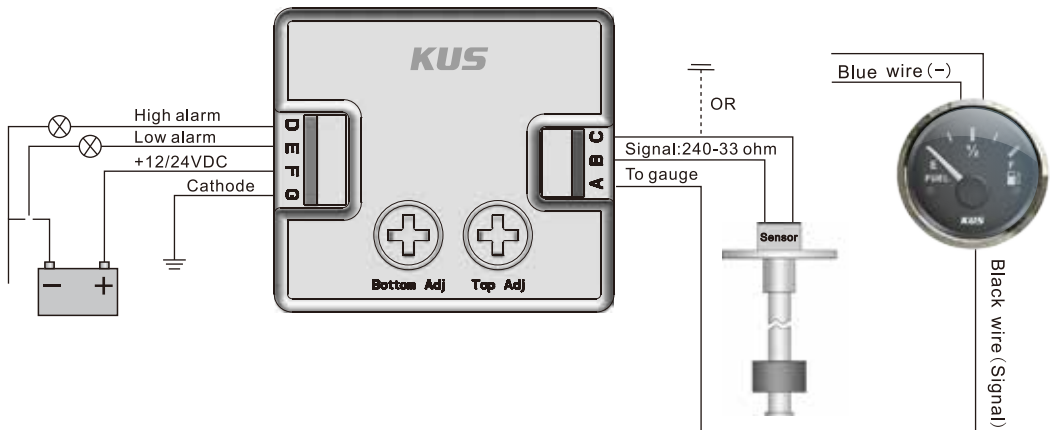
E-F end is off:
Input European signal 0 ohms -190 ohms
Output American signal 240 ohms - 33 ohms



SAB High/Low Level Alarm

Part Number: JKE00023

This product allows the user to add a high and low level alarm signal to the control and monitoring system. The high/low level alarm position could be adjusted by turning the two adjusting knobs.

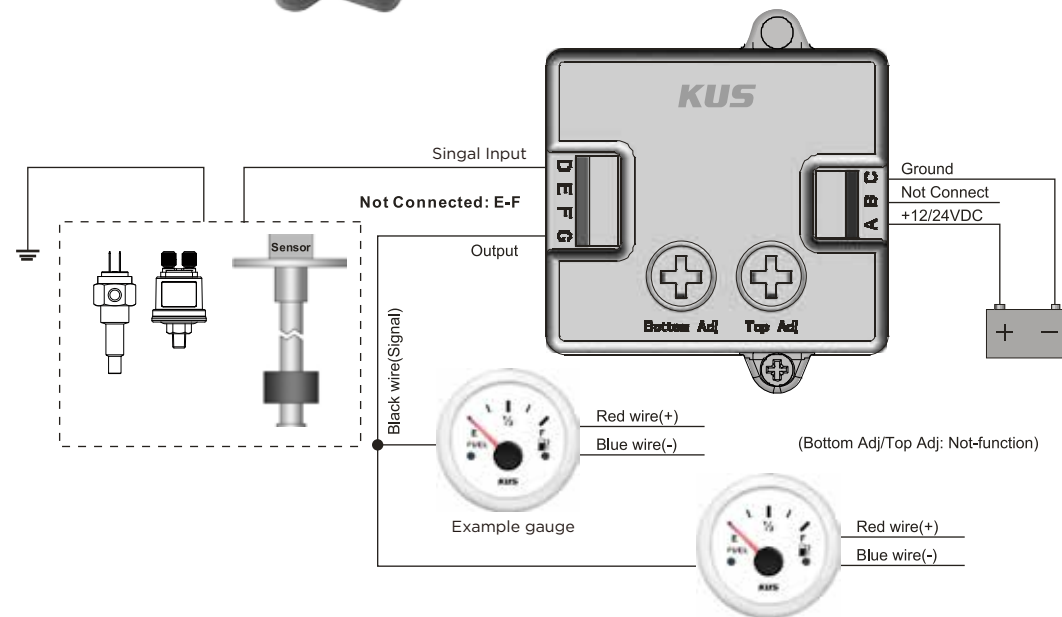


Dual Station Converter



Part Number: JMC0003

This product allows the connection of one sensor to two gauges. The maximum resistance range of the sensor is required to be 0 ohm - 930 ohms. The product can be applied to pressure, oil temperature, liquid level sensors, etc.



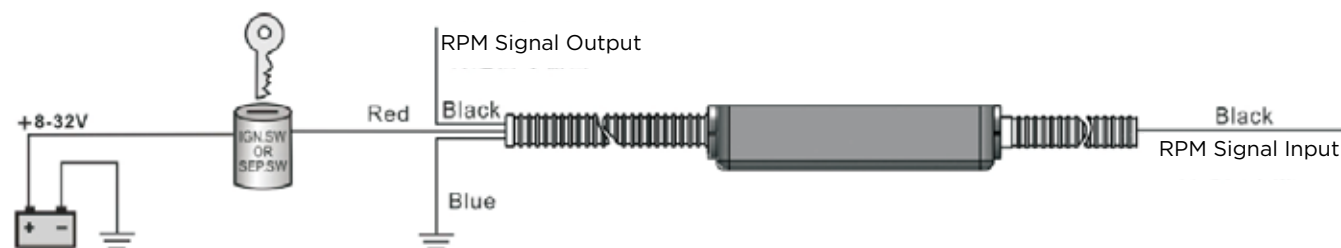
Frequency Stabilizer

Part Number: JYC0003

Size: 63*36*14mm
Operating Voltage: 8-32V



This product mainly solves the problem of abnormal instrument display caused by the unstable frequency signal of in the complex working environment. It filters the frequency signal of the engine or speed sensor to make the signal more stable.



Other Sensors



Rudder Angle Sensors



Rudder sensor is usually installed on the sternward rudder horn to collect signals by wire resistor. These sensors are made of materials of the highest quality.

Part No.	Output	Connecting wires	Connecting Gauges
KE41000	Single output : 0-190Ω	2 wires	1 Gauge
JZM6470	Double output : 0-190Ω	3 wires	2 Gauges

Optional products: connecting rod
Part Number. : JS202905



The rudder sensor is made of highest quality with 10 meter wires. Turn the rudder controller (Steering wheel) to the middle position, and quickly press down the key, it will record the corresponding position of the rudder sensor when the rudder is in the middle position.

Part Number. : KE41002



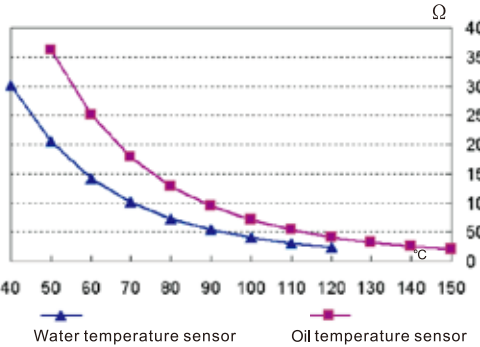
This type of rudder sensors is attached to the cylinder of the steering rudder. Signal output is via integrated reed switches. Sensor is durable and can be easily assembled.

Part Number: JSM4480

Temperature Sensors



The curve for the temperature and the resistance



Specifications

- 1. Main body made of brass
- 2. Double metal plate connectors
- 3. IP67 protection rating
- 4. Minimum 3 minutes temperature response time after power-on
- 5. Rated power for alarm switches ranges from 1.2W to 3W
- 6. Temperature alarm tolerance is $\pm 3^{\circ}\text{C}$
- 7. Switch turns off when temperature rises

I

PIN : 6.3×0.8mm
PIN=Temperature Signal
Case Earth

II

PIN : 6.3×0.8mm
S=Temperature Signal
GND= Ground

III

PIN : 6.3×0.8mm
S=Temperature Signal
A=Alarm Signal
Case Earth

IV

Threaded Rod : M5×0.8mm
Threaded Rod=Temperature Signal
Case Earth

Standard Style

Part No.	Product Name	Temperature Max(°C)	Alarm Temp.(°C)	Thread Spec.	Ømm	L1(mm)	L2(mm)	Type
KE00000	SWN-1	120	—	M14×1.0	7.5	28.5	51	I
KE00001	SWN-1	120	—	M14×1.25	7.5	28.5	51	
KE00002	SWN-1	120	—	M14×1.5	7.5	28.5	51	
KE00003	SWN-1	120	—	M16×1.5	7.5	28.5	51	
KE00004	SWN-1	120	—	M18×1.5	7.5	28.5	51	
KE00005	SWN-1	120	—	1/4"-18NPT	7.5	28.5	51	
KE00006	SWN-1	120	—	1/8"-27NPT	7.5	28.5	51	
KE00007	SWN-1	120	—	3/8"-18NPT	7.5	28.5	51	
KE00009	SWN-1	120	—	5/8"-18UNF	7.5	28.5	51	
KE00025	SWN-1	120	—	1/2"-14BSP	7.5	28.5	51	
KE00035	SWN-1	120	—	M10×1.0	7.5	28.5	51	
KE00038	SWN-1	120	—	M16×1.5	7.5	22	44.5	
KE00017	SWN-2	120	—	M16×1.5	13	28.5	58.7	II
KE00021	SWN-2	120	—	3/8"-18NPT	13	28.5	58.7	
KE00018	SWN-2	120	—	M18×1.5	13	28.5	58.7	
KE00022	SWN-2	120	—	5/8"-18UNF	13	28.5	58.7	
KE00016	SWN-2	120	—	M14×1.5	13	28.5	58.7	
KE00020	SWN-2	120	—	1/2"-14NPT	13	28.5	58.7	
KE00036	SWN-2	120	—	1/4"-18NPTF	13	28.5	58.7	
KE00023	SWN-2	120	—	M20×1.5	13	28.5	58.7	
KE00100	SWA-3	120	95	M14×1.0	10.7	41	71.5	III
KE00101	SWA-3	120	95	M14×1.25	10.7	41	71.5	
KE00102	SWA-3	120	95	M14×1.5	10.7	41	71.5	
KE00119	SWA-3	120	107	M16×1.5	10.7	41	71.5	
KE00122	SWA-3	120	98	M18×1.5	10.7	41	71.5	
KE00105	SWA-3	120	98	3/8"-18NPT	10.7	41	71.5	
KE00133	SWA-3	120	103	5/8"-18UNF	10.7	41	71.5	
KE00148	SWA-3	120	108	R3/8"-19	10.7	30	68.5	
KE00170	SWA-3	120	110	1/2"-14NPT	10.7	30	68.5	
KE00112	SWA-3	120	95	M16×1.5	10.7	41	71.5	
KE00106	SWA-3	120	95	M18×1.5	10.7	41	71.5	

* Please contact us for more details.

Standard Style

Part No.	Product Name	Temperature Max(°C)	Alarm Temp.(°C)	Thread Spec.	Ømm	L1(mm)	L2(mm)	Type
KE00108	SWA-3	120	95	1/2"-14NPT	10.7	41	71.5	III
KE00103	SWA-3	120	95	3/8"-18NPT	10.7	41	71.5	
KE00109	SWA-3	120	95	5/8"-18UNF	10.7	41	71.5	
KE00113	SWA-3	120	98	M14×1.0	10.7	41	71.5	
KE00114	SWA-3	120	98	M14×1.25	10.7	41	71.5	
KE00120	SWA-3	120	98	M14×1.5	10.7	41	71.5	
KE00121	SWA-3	120	98	M16×1.5	10.7	41	71.5	
KE00124	SWA-3	120	98	1/2"-14NPT	10.7	41	71.5	
KE00125	SWA-3	120	98	5/8"18UNF	10.7	41	71.5	
KE00149	SWA-3	120	102	5/8"18UNF	10.7	30	68.5	
KE00115	SWA-3	120	98	1/2"-14NPT	10.7	41	71.5	
KE00116	SWA-3	120	95	M12×1.25	10.7	41	71.5	
KE00140	SWA-3	120	110	M16×1.5	10.7	30	68.5	
KE00141	SWA-3	120	105	3/8"-18NPT	10.7	41	71.5	
KE00143	SWA-3	120	100	M14×1.5	10.7	41	71.5	
KE00152	SWA-3	120	99	1/2"-14NPT	10.7	41	71.5	
KE00153	SWA-3	120	99	3/8"-18NPT	10.7	41	71.5	
KE00156	SWA-3	120	100	1/2"-14NPT	10.7	41	71.5	
KE00160	SWA-3	120	98	3/8"-18NPT	10.7	30	68.5	
KE00161	SWA-3	120	98	M16×1.5	10.7	30	68.5	
KE00163	SWA-3	120	110	1/2"-14NPT	10.7	41	71.5	
KE00164	SWA-3	120	110	3/8"-18NPT	10.7	41	71.5	
KE00165	SWA-3	120	98	1/2"-14NPT	10.7	30	68.5	
KE00166	SWA-3	120	98	1/4"-18NPT	10.7	41	71.5	
KE00169	SWA-3	120	98	3/8"-18R	10.7	41	71.5	
KE00010	SWN-1	120	——	1/2"-14NPT	8	30	54	IV
KE00011	SWN-1	120	——	1/8"-27NPT	8	27	51.5	
KE00012	SWN-1	120	——	1/4"-18NPT	8	27	51.5	
KE00027	SWN-1	120	——	1/2"-14BSP	8	30	54	
KE00013	SWN-1	120	——	3/8"-18NPT	8	22	46.5	
KE00030	SWN-1	120	——	M10×1.0	8	27	51.5	
KE00039	SWN-1	120	——	M16×1.5	8	22	46.5	

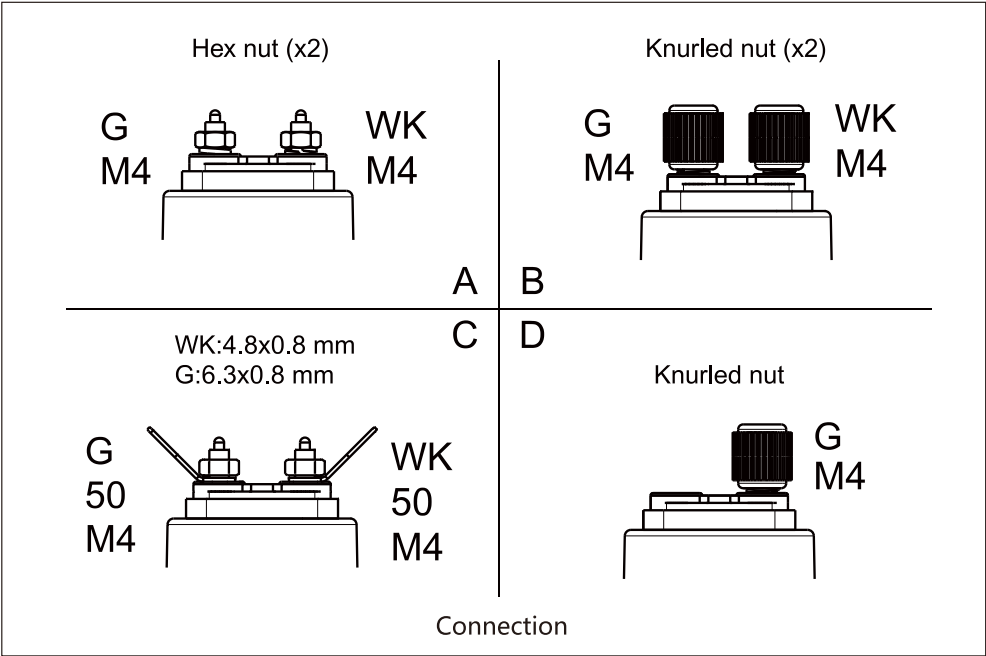
* Please contact us for more details.

Pressure Sensors



Specifications

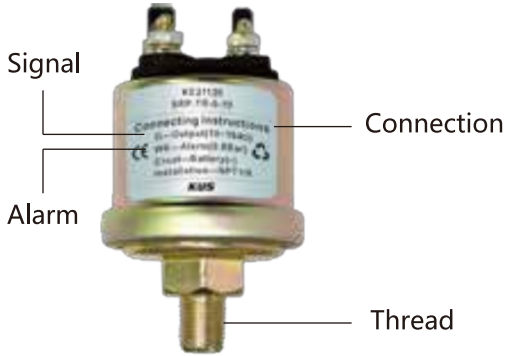
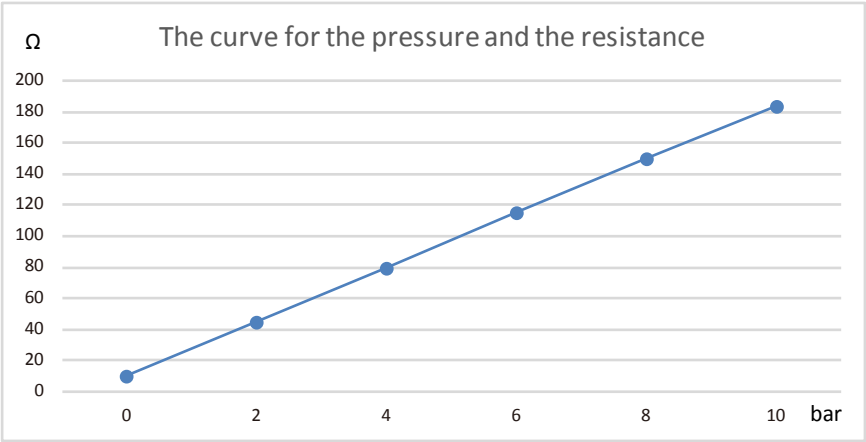
Operating Voltage	6V - 24V
Conducting Power	< 5W
Protection Rating	IP66
Operating Temperature	-13°F to +248°F (-25°C to +120°C)
Measuring Range	0 Bar - 5 Bar or 0 Bar - 10 Bar
Alarm	0.88 Bar or 1.4 Bar
Output Signal	Standard resistance 10 ohms - 184 ohms
Thread Fitting	NPT 1/4, NPT 1/8, M 10, M10X1, customizable



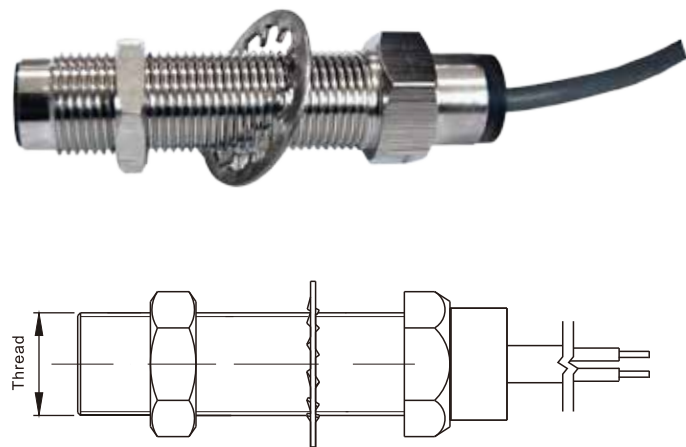
Standard Style

Part No.	Thread	Measuring Range(Bar)	Output(Ω)	Alarm(Bar)	Connection	Appearance			
KE21102	NPT1/8	0-5	10-184	0.8±0.2	A	Color zinc plated			
KE21100	NPT1/8	0-10	10-184	0.8±0.2					
KE21101	NPT1/4	0-10	10-184	0.8±0.2					
KE21047	NPT1/4	0-10	10-184	1.4±0.3					
KE21015	UNF 3/8	0-10	10-184	No					
KE21109	M10*1	0-10	10-184	1.4±0.2					
					B		Color zinc plated		
KE21104	NPT1/8	0-5	10-184	0.8±0.2					
KE21010	NPT1/8	0-5	10-184	NO					
KE21112	NPT1/4	0-5	10-184	0.8±0.2					
KE21121	M10*1	0-5	10-184	1.4±0.2					
KE21134	R1/8	0-5	10-184	0.8±0.2					
KE21103	NPT1/8	0-10	10-184	0.8±0.2					
KE21107	M10*1	0-10	10-184	1.4±0.2					
KE21111	NPT1/4	0-10	10-184	0.8±0.2					
KE21006	PT 1/8	0-10	10-184	No					
KE21123	M14*1.5	0-10	10-184	0.8±0.2					
KE21126	R1/8	0-10	10-184	0.4±0.2					
KE21017	NPT1/8	0-10	240-33	NO					
					C			Color zinc plated	
KE21124	NPT1/8	0-10	10-184	0.5±0.2					
KE21142	NPT1/8	0-10	10-192	0.8±0.2					
KE21120	NPT1/8	0-10	10-184	0.8±0.2					
						D			Color zinc plated
KE21005	NPT1/8	0-5	10-184	No					
KE21152	BSP-1/8	0-10	10-184	No					

* Please contact us for more details.



Tachometer Sensor



Holzer Tachometer Sensor

Connection Method	3 or 4 wires connection
Inductance Distance	≤ 2 mm
Operating Current	< 50mA
Operating Temperature	-40°F to +185°F (-40°C to 85°C)
Operating Voltage	8V - 32V with polarity connection
Output Signal	Square Wave
Protection Rating	IP65
Signal Duty Factor	47±5%

Magnetoelectric Tachometer Sensor

Connection Method	2 wires connection
Inductance Distance	≤ 1 mm
Operating Temperature	-40°F to +185°F (-40°C to 85°C)
Output Signal	Sine Wave
Protection Rating	IP65
Tooth Module	2 - 6

Caravan Accessories Map



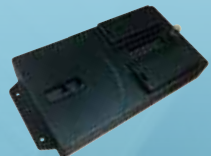
Control Panel
(High Version)



Control Box
(AC\DC Optional)



Control Panel
(Mid Version)



Control Box
(DC Available)



Control Panel (Standard Version)
(Pointer/Digital Gauge optional)



Fuel Level Sensor



Caravan Products

High Version



- **Product Feature**
 - High Integration
 - Excellent Electromagnetic Compatibility
 - Input Overvoltage Protection
 - Power Overcurrent Protection
 - 12-Way Power Output With Short Circuit Diagnosis
 - 8-Way Sensor Input
 - 6-Way Switch Input
 - LCD With High Resolution
- **Product Specification**
 - Display Screen Size: 207 * 134.4 * 50.1mm
 - Control Box Size: 37*117*45mm
 - Working Voltage: 9-16V
 - Working Temperature: -40-85 C
 - Storage Temperature: -40-90 C
 - Relative Humidity: 5%-90%
 - Air Pressure: 86kPa-106kPa

Mid Version



- **Product Feature**
 - High Integration
 - Excellent Electromagnetic Compatibility
 - Input Overvoltage Protection
 - Power Overcurrent Protection
 - 8-Way Power Output With Short Circuit Diagnosis
 - 4-Way Sensor Input
 - 4-Way Switch Input
 - LCD With High Resolution
- **Product Specification**
 - Display Screen Size: 205*91*50mm
 - Control Box Size: 237*117*45mm
 - Working Voltage: 9-16V
 - Working Temperature: -40-85 C
 - Storage Temperature: -40-90 C
 - Relative Humidity: 5%-90%
 - Air Pressure: 86kPa-106kPa

Standard Version



- **Product Feature**
 - 5min Protection For Reverse Connection
 - 60min Protection For Overvoltage
 - 8-Way Control Switch Power Output, Reach 20A/Each Circuit
 - Integrated With 8 Current Protectors
 - Integrated With Waste Gauge, Grey Water Gauge, Voltmeter(Customized Requirement Be Allowed)
 - Simple Installation
 - High Cost Performance
- **Product Specification**
 - Display Screen Size : 290*180mm
 - Working Voltage : 9-16V DC
 - Working Current : ≤200mA
 - Resistant To High Voltage: 500V, 1S
 - Operation Method : Rocker switch
 - Working Temperature : -30 C ~+65 C
 - Storage Temperature : -30 C ~+80 C

Caravan Products

