



# Sea V series

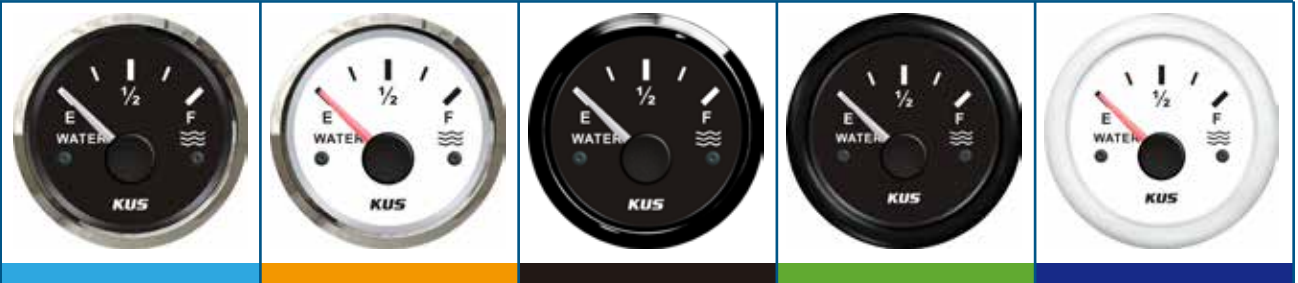


## Features:

- IP67 protection rating for the entire gauge; can work up to 1m underwater;
- Double layer reinforced anti-fogging glass;
- 316 Stainless steel bezel with convex glass;
- Easy installation with multi-plug socket connection design;
- Selection of red or yellow backlight;
- Default working voltage: 12V
  - Compatible also with 24V for stepping motor and LCD type gauges;
  - Require an extra resistor to work with 24V for cross coil type gauge.

FUEL LEVEL	Image					Display Range	Working Voltage	Installation Dimension
	Art. No.	Model	Signal	Picture Indicating	Bezel			
	KY10005	CPFR-BS-0-190	0~190Ω		SS 316	Empty-Full	12V/24V	Φ52mm
	KY10004	CPFR-BS-240-33	240~33Ω					
	KY10100	CPFR-WS-0-190	0~190Ω					
	KY10101	CPFR-WS-240-33	240~33Ω					
	KY10002	CPFR-BN-0-190	0~190Ω		SS 316 in black			
	KY10003	CPFR-BN-240-33	240~33Ω		plastic in black			
	KY10200	CPFR-BB-0-190	0~190Ω					
	KY10201	CPFR-BB-240-33	240~33Ω		plastic in white			
	KY10300	CPFR-WW-0-190	0~190Ω					
	KY10301	CPFR-WW-240-33	240~33Ω					

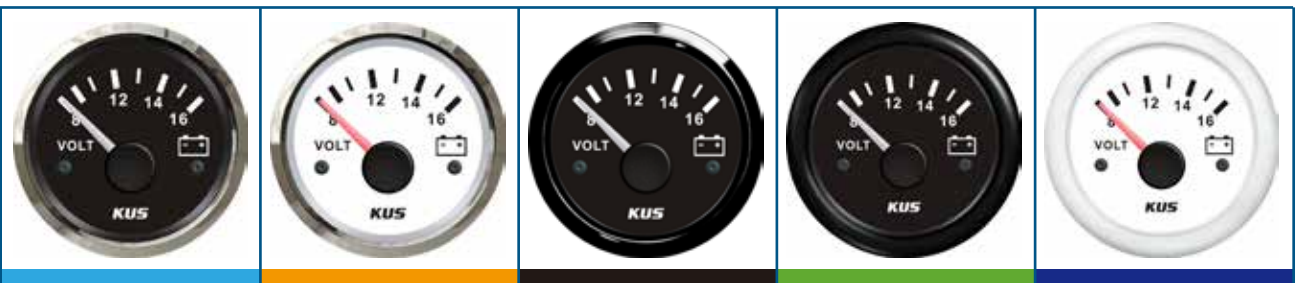
## WATER LEVEL



Art. No.	Model	Signal	Picture Indicating	Bezel	Indicating Range	Working Voltage	Installation Dimension
KY11004	CPWR-BS-0-190	0~190Ω		SS 316	Empty-Full	12V/24V	Φ52mm
KY11001	CPWR-BS-240-33	240~33Ω					
KY11100	CPWR-WS-0-190	0~190Ω					
KY11101	CPWR-WS-240-33	240~33Ω					
KY11002	CPWR-BN-0-190	0~190Ω		SS 316 in black			
KY11003	CPWR-BN-240-33	240~33Ω		SS 316 in black			
KY11200	CPWR-BB-0-190	0~190Ω		plastic in black			
KY11201	CPWR-BB-240-33	240~33Ω		plastic in black			
KY11300	CPWR-WW-0-190	0~190Ω		plastic in white			
KY11301	CPWR-WW-240-33	240~33Ω					

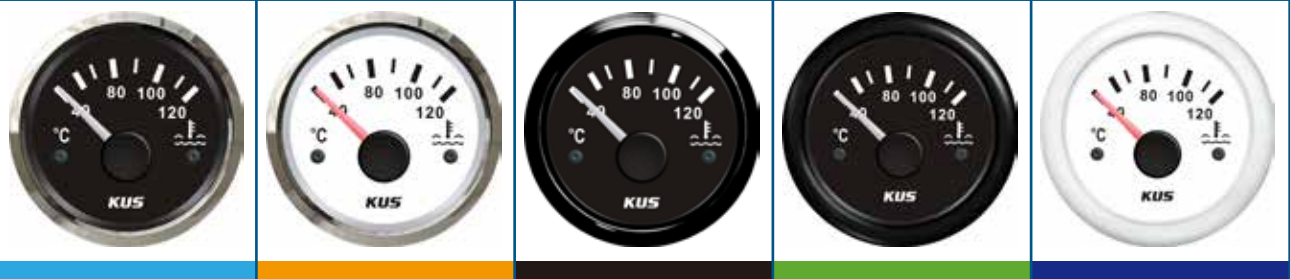


## VOLTMETER



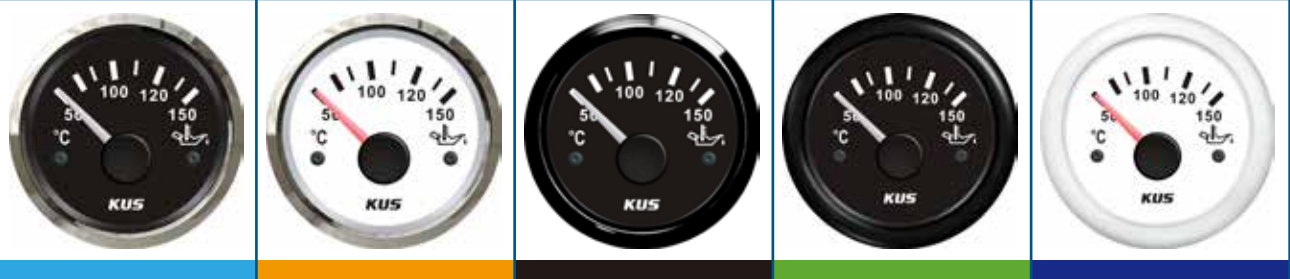
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension		
KY13000	CPVR-BS-8-16	8~16V		SS 316	8~16V	12V	Φ52mm		
KY13100	CPVR-WS-8-16								
KY13013	CPVR-BN-8-16			SS 316 in black					
KY13200	CPVR-BB-8-16			plastic in black					
KY13304	CPVR-WW-8-16			plastic in white					
KY13001	CPVR-BS-18-32	18~32V		SS 316				18~32V	24V
KY13101	CPVR-WS-18-32								
KY13012	CPVR-BN-18-32			SS 316 in black					
KY13201	CPVR-BB-18-32			plastic in black					
KY13305	CPVR-WW-18-32			plastic in white					

## WATER TEMP.



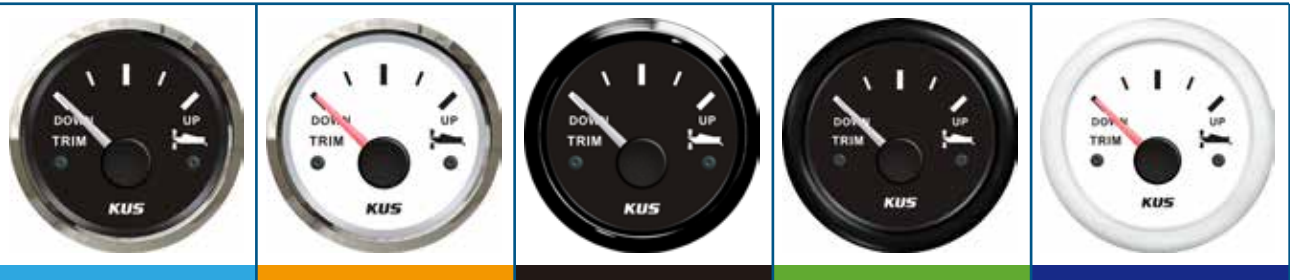
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY14004	CPTR-BS-40-120	Matched with KUS temperature sensor		SS 316	40~120°C	12V/24V	Φ52mm
KY14100	CPTR-WS-40-120			SS 316 in black			
KY14002	CPTR-BN-40-120			plastic in black			
KY14200	CPTR-BB-40-120			plastic in black			
KY14304	CPTR-WW-40-120			plastic in white			

## OIL TEMP.

































Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY14005	CPYR-BS-50-150	Matched with KUS temperature sensor		SS 316	50~150°C	12V/24V	Φ52mm
KY14102	CPYR-WS-50-150			SS 316 in black			
KY14000	CPYR-BN-50-150			plastic in black			
KY14202	CPYR-BB-50-150			plastic in black			
KY14305	CPYR-WW-50-150			plastic in white			

## TRIM

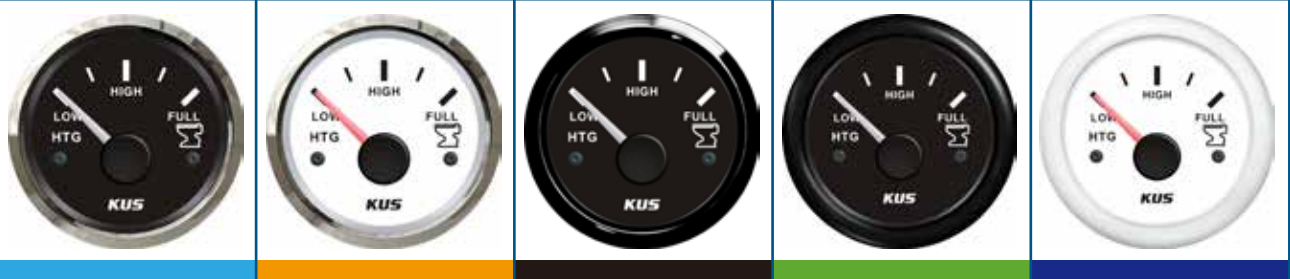


Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY09205	CPIR-BS-0-190	0~190Ω		SS 316	DOWN-UP	12V/24V	Φ52mm
KY09103	CPIR-WS-0-190			SS 316 in black			
KY09204	CPIR-BN-0-190			plastic in black			
KY09206	CPIR-BB-0-190			plastic in black			
KY09207	CPIR-WW-0-190			plastic in white			

TRIM							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY09028	CPIR-BS-0-190	0~190Ω		SS 316	UP-DOWN	12V/24V	Φ52mm
KY09115	CPIR-WS-0-190			SS 316 in black			
KY09116	CPIR-BN-0-190			plastic in black			
KY09220	CPIR-BB-0-190			plastic in white			
KY09312	CPIR-WW-0-190						
KY09043	CPIR-BS-160-10	160~10Ω * To match with mercury or force engine.		SS 316	UP-DOWN	12V/24V	Φ52mm
KY09123	CPIR-WS-160-10			SS 316 in black			
KY09044	CPIR-BN-160-10			plastic in black			
KY09228	CPIR-BB-160-10			plastic in white			
KY09314	CPIR-WW-160-10						

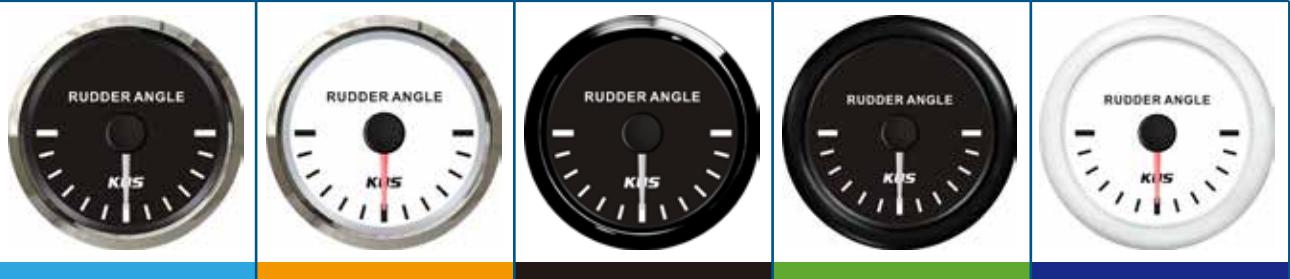
OIL PRESSURE							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY15000	CPPR-BS-0-5	10~184Ω 240-33Ω can be customized		SS 316	0~5Bar	12V/24V	Φ52mm
KY15100	CPPR-WS-0-5			SS 316 in black			
KY15001	CPPR-BN-0-5			plastic in black			
KY15201	CPPR-BB-0-5			plastic in white			
KY15300	CPPR-WW-0-5						
KY15006	CPPR-BS-0-10			SS 316	0~10Bar		
KY15103	CPPR-WS-0-10			SS 316 in black			
KY15008	CPPR-BN-0-10			plastic in black			
KY15202	CPPR-BB-0-10			plastic in white			
KY15303	CPPR-WW-0-10						

## HOLDING TANK

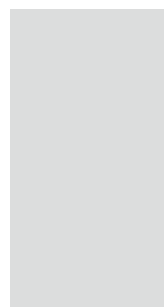












Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY12002	CPGR-BS-0-190	0~190Ω		SS 316	LOW-FULL	12V/24V	Φ52mm
KY12102	CPGR-WS-0-190			SS 316 in black			
KY12003	CPGR-BN-0-190			plastic in black			
KY12202	CPGR-BB-0-190			plastic in white			
KY12302	CPGR-WW-0-190			plastic in white			
KY12000	CPGR-BS-240-33	240~33Ω		SS 316	LOW-FULL	12V/24V	Φ52mm
KY12100	CPGR-WS-240-33			SS 316 in black			
KY12001	CPGR-BN-240-33			plastic in black			
KY12200	CPGR-BB-240-33			plastic in white			
KY12300	CPGR-WW-240-33			plastic in white			





















## RUDDER ANGLE



Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY09002	CMRR-BS-87-900	87~900Ω, Matched with JSM4480 rudder angle sensor.		SS 316	R-L	12V/24V	Φ52mm
KY09102	CMRR-WS-87-900			SS 316 in black			
KY09004	CMRR-BN-87-900			plastic in black			
KY09201	CMRR-BB-87-900			plastic in white			
KY09305	CMRR-WW-87-900			plastic in white			
KY09011	CMRR-BS-0-190	0~190Ω, Matched with KE41000 rudder angle sensor.		SS 316	R-L	12V/24V	Φ52mm
KY09106	CMRR-WS-0-190			SS 316 in black			
KY09018	CMRR-BN-0-190			plastic in black			
KY09209	CMRR-BB-0-190			plastic in white			
KY09309	CMRR-WW-0-190			plastic in white			



CLOCK							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY09000	CMCR-BS-12	N/A		SS 316	12-hour format	12V/24V	Φ52mm
KY09100	CMCR-WS-12			SS 316 in black			
KY09003	CMCR-BN-12			plastic in black			
KY09202	CMCR-BB-12			plastic in black			
KY09304	CMCR-WW-12			plastic in white			

AMMETER							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY06007	CMAR-BS±50	Matched with KUS 50A current shunt unit		SS 316	±50 A	12V/24V	Φ52mm
KY06103	CMAR-WS±50			SS 316 in black			
KY06008	CMAR-BN±50			plastic in black			
KY06201	CMAR-BB±50			plastic in black			
KY06301	CMAR-WW±50			plastic in white			
KY06005	CMAR-BS±80	Matched with KUS 100A current shunt unit		SS 316	±80 A	12V/24V	Φ52mm
KY06102	CMAR-WS±80			SS 316 in black			
KY06009	CMAR-BN±80			plastic in black			
KY06200	CMAR-BB±80			plastic in black			
KY06300	CMAR-WW±80			plastic in white			
KY06010	CMAR-BS±150	Matched with KUS 150A current shunt unit		SS 316	±150 A	12V/24V	Φ52mm
KY06101	CMAR-WS±150			SS 316 in black			
KY06011	CMAR-BN±150			plastic in black			
KY06203	CMAR-BB±150			plastic in black			
KY06302	CMAR-WW±150			plastic in white			





















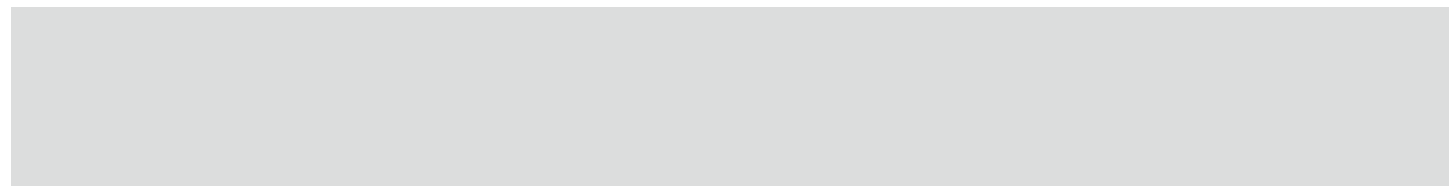
## CURRENT SHUNT UNIT











\* 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.

DIGITAL AMMETER							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY26004	CEAR-BS±50	Matched with KUS 50A current shunt unit		SS 316	±50A	12V/24V	Φ52mm
KY26101	CEAR-WS±50						
KY26000	CEAR-BN±50						
KY26200	CEAR-BB±50						
KY26300	CEAR-WW±50						
KY26001	CEAR-BS±80	Matched with KUS 100A current shunt unit		SS 316	±80A	12V/24V	Φ52mm
KY26003	CEAR-BN±80						
KY26301	CEAR-WW±80						
KY26002	CEAR-BS±150						
KY26103	CEAR-WS±150	Matched with KUS 150A current shunt unit		SS 316	±150A	12V/24V	Φ52mm
KY26005	CEAR-BN±150						
KY26202	CEAR-BB±150						
KY26302	CEAR-WW±150						



3 LED ALARM INDICATOR							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY99300	SSS-PAN-3LED-BS	Switch Signal		SS 316	FULL-HIGH-ON	12V/24V	Φ52mm
KY99402	SSS-PAN-3LED-WS						
KY99302	SSS-PAN-3LED-BN						
KY99200	SSS-PAN-3LED-BB						
KY99400	SSS-PAN-3LED-WW						

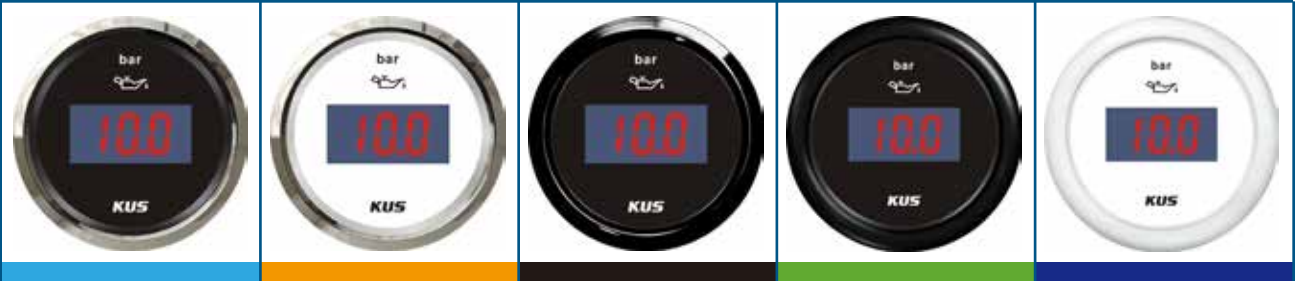
NAVIGATION INDICATOR							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY99304	CONR-BS-5LED	Matched with KUS controller		SS 316	N/A	12V/24V	Φ52mm
KY99501	CONR-WS-5LED			SS 316 in black			
KY99303	CONR-BN-5LED			plastic in black			
KY99202	CONR-BB-5LED			plastic in white			
KY99403	CONR-WW-5LED						

4 LED ALARM GAUGE							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY79002	CDQR-BS	Switch Signal		SS 316	N/A	12V/24V	Φ52mm
KY79103	CDQR-WS			SS 316 in black			
KY79004	CDQR-BN			plastic in black			
KY79202	CDQR-BB			plastic in white			
KY79303	CDQR-WW						

DIGITAL WATER TEMP.							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY24000	CETR-BS-25-120	Matched with KUS temperature sensor		SS 316	25~120°C	12V/24V	Φ52mm
KY24100	CETR-WS-25-120			SS 316 in black			
KY24002	CETR-BN-25-120			plastic in black			
KY24200	CETR-BB-25-120			plastic in white			
KY24300	CETR-WW-25-120						

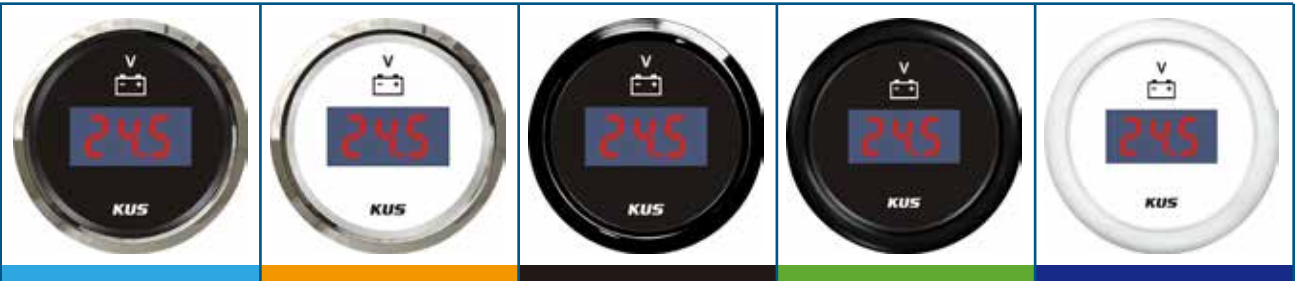


## DIGITAL OIL PRESSURE



Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY15042	CEPR-BS-0-5	10~184Ω		SS 316	0~5Bar	12V/24V	Φ52mm
KY15115	CEPR-WS-0-5			SS 316 in black			
KY15043	CEPR-BN-0-5			plastic in black			
KY15021	CEPR-BB-0-5			plastic in white			
KY15308	CEPR-WW-0-5			plastic in white			
KY15012	CEPR-BS-0-10	10~184Ω		SS 316	0~10Bar		
KY15015	CEPR-WS-0-10			SS 316 in black			
KY15035	CEPR-BN-0-10			plastic in black			
KY15022	CEPR-BB-0-10			plastic in white			
KY15307	CEPR-WW-0-10			plastic in white			

## DIGITAL VOLTMETER



Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY23000	CEVR-BS-9-32	9~32V		SS 316	9~32V	12V/24V	Φ52mm
KY23100	CEVR-WS-9-32			SS 316 in black			
KY23001	CEVR-BN-9-32			plastic in black			
KY23200	CEVR-BB-9-32			plastic in white			
KY23303	CEVR-WW-9-32			plastic in white			



HOURMETER							
	Art. No.	Model					
	Signal	Picture Indicating					
	Bezel	Display Range					
	Working Voltage	Installation Dimension					
KY39000	CCUR-BS	N/A		SS 316	0~99999	12V/24V	Φ52mm
KY39202	CCUR-WS			SS 316 in black			
KY39001	CCUR-BN			plastic in black			
KY39201	CCUR-BB			plastic in white			
KY39200	CCUR-WW						

DIGITAL FUEL LEVEL							
	Art. No.	Model					
	Signal	Picture Indicating					
	Bezel	Display Range					
	Working Voltage	Installation Dimension					
KY10012	CEFR-BS-4-20	4~20mA		SS 316	0~100%	12V/24V	Φ52mm
KY10113	CEFR-WS-4-20			SS 316 in black			
KY10025	CEFR-BN-4-20			plastic in black			
KY10213	CEFR-BB-4-20			plastic in white			
KY10308	CEFR-WW-4-20						

DIGITAL GPS SPEEDOMETER							
	Art. No.	Model					
	Signal	Picture Indicating					
	Bezel	Display Range					
	Working Voltage	Installation Dimension					
KY08041	CCSR-BS	GPS		SS 316	0-999Km/h	12V/24V	Φ52mm
KY08120	CCSR-WS			SS 316 in black			
KY08056	CCSR-BN			plastic in black			
KY08217	CCSR-BB			plastic in white			
KY08309	CCSR-WW						

\* 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.

## DIGITAL GPS SPEEDOMETER



Art. No.	Model	Remarks	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY08021	CCSB-BS	I		SS 316	0~999Knots	12V/24V	Φ85mm
KY08109	CCSB-WS			SS 316 in black			
KY08022	CCSB-BN			plastic in black			
KY08213	CCSB-BB			plastic in white			
KY08308	CCSB-WW			plastic in white			
KY08038	CCSB-BS	II		SS 316	0~999Knots	12V/24V	Φ85mm
JMV00148	CCSB-WS			SS 316 in black			
KY08047	CCSB-BN			plastic in black			
JMV00149	CCSB-BB			plastic in white			
JMV00150	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.





## GAUGE BEZEL(Plastic)




Art. No.	Size	Color
160001	52 mm	White Plastic
160041	85 mm	
160000	52 mm	Black Plastic
160040	85 mm	

Art. No.	Size	Color
160003	52 mm	Golden Plastic
JYP1556	85 mm	
160002	52 mm	Sliver Plastic
160042	85 mm	

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

GPS SPEEDOMETER																							
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension																
KY08017	CMSB-BS-15L	GPS		SS 316	0~15Knots	12V/24V	Φ85mm																
KY08108	CMSB-WS-15L			SS 316 in black																			
KY08018	CMSB-BN-15L			plastic in black																			
KY08215	CMSB-BB-15L			plastic in white																			
KY08307	CMSB-WW-15L			plastic in white	0~30Knots	12V/24V	Φ85mm																
KY08009	CMSB-BS-30L		SS 316																				
KY08105	CMSB-WS-30L		SS 316 in black																				
KY08019	CMSB-BN-30L		plastic in black																				
KY08210	CMSB-BB-30L		plastic in white	0~60Knots	12V/24V	Φ85mm																	
KY08303	CMSB-WW-30L															plastic in white							
KY08011	CMSB-BS-60L		SS 316																				
KY08103	CMSB-WS-60L		SS 316 in black																				
KY08020	CMSB-BN-60L		plastic in black	0~60Knots	12V/24V	Φ85mm																	
KY08211	CMSB-BB-60L		plastic in black																				
KY08304	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.

RUDDER ANGLE															
Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension								
KY09009	CMRB-BS-0-190	0~190°		SS 316	R-L	12V/24V	Φ85mm								
KY09105	CMRB-WS-0-190			SS 316 in black											
KY09017	CMRB-BN-0-190			plastic in black											
KY09215	CMRB-BB-0-190			plastic in white											
KY09311	CMRB-WW-0-190											plastic in white			
<p>* The rudder angle can be matched with the KE41000 rudder angle sensor. The output can be customized to match with KE41002 rudder angle sensor.</p>															

## TACHOMETER



Art. No.	Model	Speed Ratio	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY07025	CMHB-BS-3KL	1.0~10.0		SS 316	0~3000rpm	12V/24V	Φ85mm
KY07116	CMHB-WS-3KL			SS 316 in black			
KY07026	CMHB-BN-3KL			plastic in black			
KY07208	CMHB-BB-3KL			plastic in black			
KY07310	CMHB-WW-3KL		plastic in white				
KY07008	CMHB-BS-4KL	1.0~10.0		SS 316	0~4000rpm		
KY07105	CMHB-WS-4KL			SS 316 in black			
KY07027	CMHB-BN-4KL			plastic in black			
KY07204	CMHB-BB-4KL			plastic in black			
KY07306	CMHB-WW-4KL		plastic in white				
KY07009	CMHB-BS-6KL	1.0~10.0		SS 316	0~6000rpm		
KY07106	CMHB-WS-6KL			SS 316 in black			
KY07028	CMHB-BN-6KL			plastic in black			
KY07205	CMHB-BB-6KL			plastic in black			
KY07307	CMHB-WW-6KL		plastic in white				
KY07010	CMHB-BS-8KL	1.0~10.0		SS 316	0~8000rpm		
KY07107	CMHB-WS-8KL			SS 316 in black			
KY07029	CMHB-BN-8KL			plastic in black			
KY07206	CMHB-BB-8KL			plastic in black			
KY07308	CMHB-WW-8KL		plastic in white				



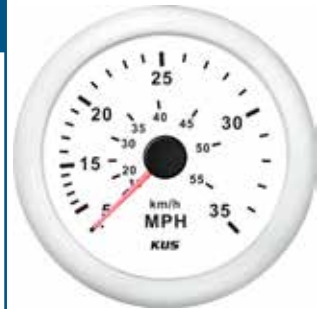
\* Note : The speed ratio is adjustable. Alternative ratio range is 1.0~10.0



## SPEEDOMETER



Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY18003	CPOB-BS-35	Pitot tube provides pressure signals		SS 316	0~35MPH	12V/24V	Φ85mm
KY18102	CPOB-WS-35			SS 316 in black			
KY18010	CPOB-BN-35			plastic in black			
KY18204	CPOB-BB-35			plastic in white			
KY18304	CPOB-WW-35			SS 316	0~55MPH		
KY18002	CPOB-BS-55			SS 316 in black			
KY18101	CPOB-WS-55			plastic in black			
KY18203	CPOB-BB-55			plastic in white			
KY18004	CPOB-BS-65			SS 316	0~65MPH		
KY18103	CPOB-WS-65			SS 316 in black			
KY18009	CPOB-BN-65			plastic in black			
KY18206	CPOB-BB-65			plastic in white			
KY18306	CPOB-WW-65						



\* Pitot tube need ordered separately.  
Art. No. : JYM1060



## TACHOMETER with 4 LED ALARM



Art. No.	Model	Signal	Picture Indicating	Bezel	Display Range	Working Voltage	Installation Dimension
KY07046	CMHB-BS-7KL	Pulse		SS 316	0~7000RPM	12V/24V	Φ85mm
KY07123	CMHB-WS-7KL			SS 316 in black			
KY07047	CMHB-BN-7KL			plastic in black			
KY07213	CMHB-BB-7KL			plastic in white			
KY07312	CMHB-WW-7KL						

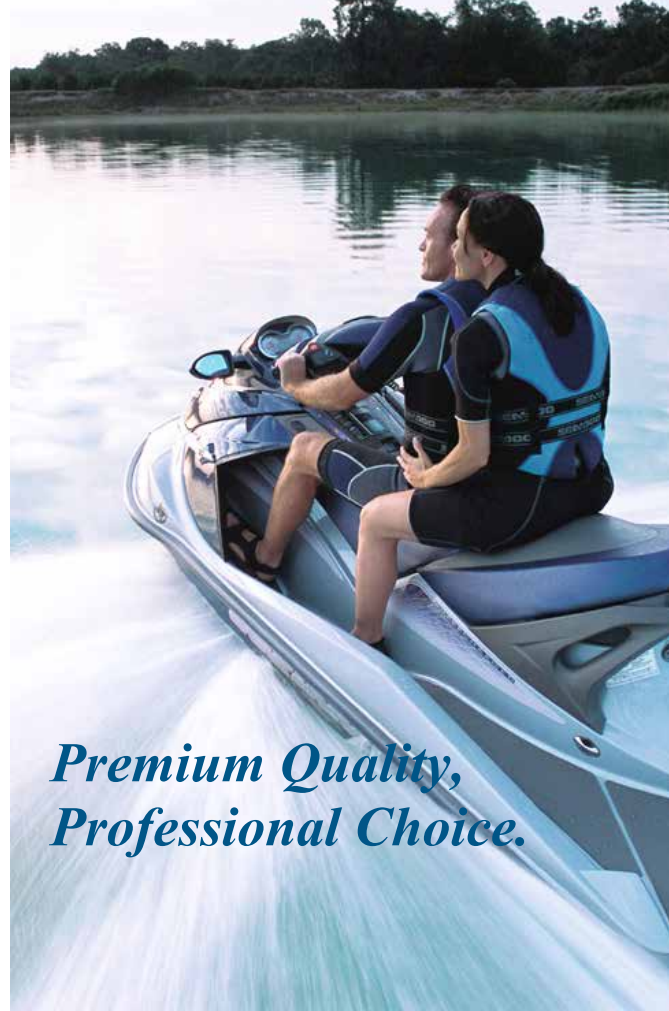


\* The light alarms including CHK ENG, Low Pressure, Low Fuel, Temperature.

# Marine Gauge Panel Series

The marine gauge panels were designed to meet customer needs. Its elegant and simple design allows easy assembly and convenient routine maintenance. Acousto-optic alarming, over current protection, and over voltage protection and other features are integrated in the gauge panel.

The gauge panels' color, size, functions and working voltage of 12V or 24V can be customized.



P/N	Gauge Panel
Art. No.	JMV00144
Working Voltage	12V
Installation Dimension	378*230 mm



P/N	KUS-4
Art. No.	KY89923
Working Voltage	12V/24V
Installation Dimension	250*190 mm



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
Installation Dimension	190*88 mm



P/N	KUS-1
Art. No.	KY89922
Working Voltage	12V/24V
Installation Dimension	180*140 mm



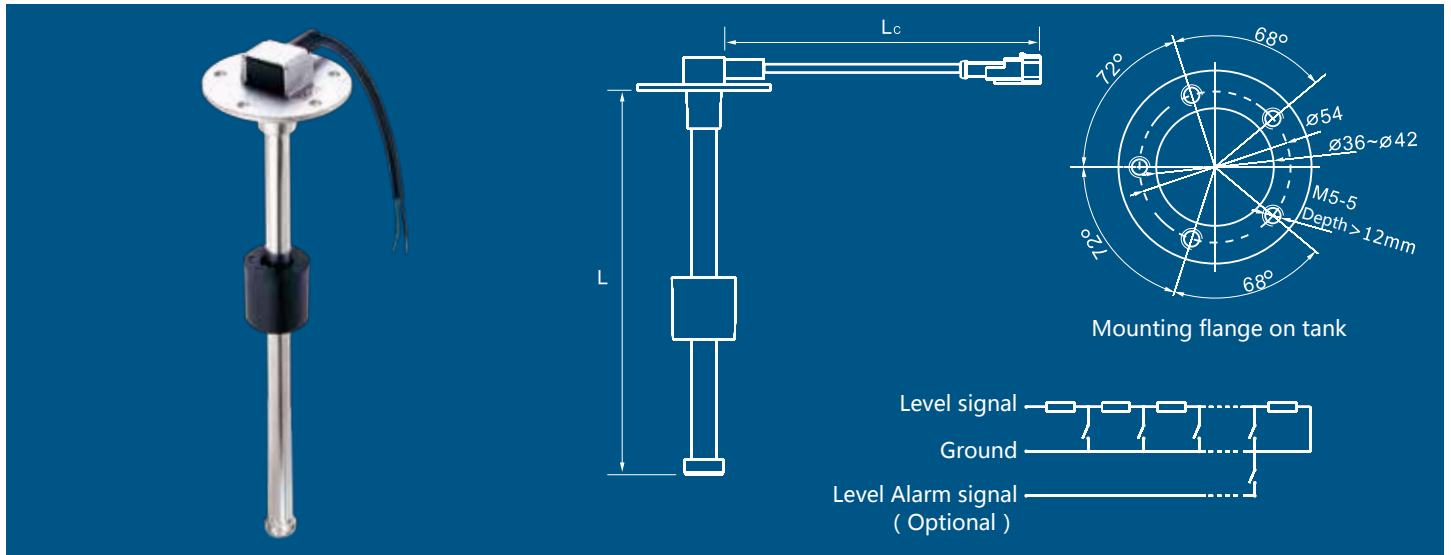
P/N	P2
Art. No.	KY79902
Working Voltage	12V
Installation Dimension	100.5*79 mm

# Sensor series





## S5 Series

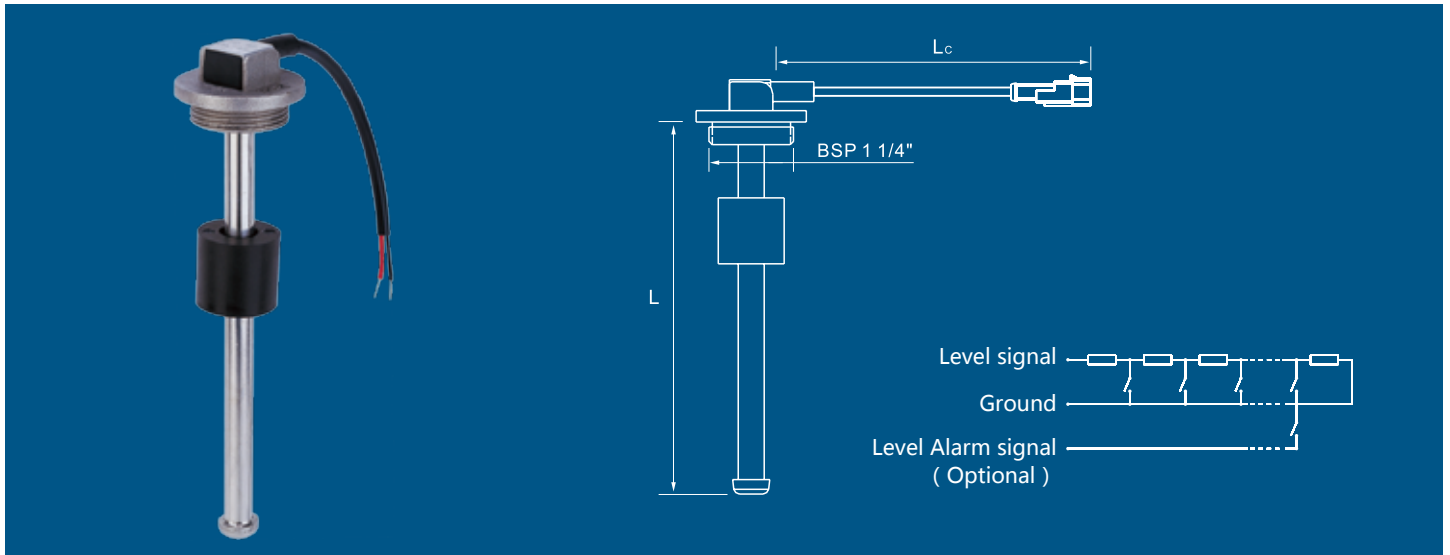


- ◆ Material: The main body is made of SS316 or SS304 stainless steel
- ◆ Length range: 100 ~ 2000 mm. It also can be customized according to your requirements.
- ◆ Mounting: SAE standard 5 holes, other mounting methods available.
- ◆ Accessories: -5 x M5 screws  
-2 mm thick NBR gasket.  
If installing on a gas tank, we recommend the optional 2mm thick FPM gasket.
- ◆ Protection rank: IP67
- Utilizing magnetic field to control the reed on-off switch, the product features a long service life and protection against vibration.
- Rated power: 125mW
- Rated current for alarm switch: 500mA
- Wire: PVC material (PA corrugated pipe cover is optional)
- Connector: Delphi, Tyco, or others are available according to customer's requirements.
- Output signal: Resistance control signal, 0~190Ω, 240~33Ω, or customized as required; You can also choose current control signal, 0~20mA, 4~20mA or Voltage control signal, 0.5~4.5VDC, 0~5VDC.
- Resolution range: 10~40mm
- Operating temperature: -40°C ~ +85°C



\* Please contact us for more details.

## S3 Series



- ◆ Material: The main body is made of SS316 or SS304 stainless steel
- ◆ Length range: 100~2000mm. It also can be customized according to your requirements.
- ◆ Assembly: BSP 1 1/4" thread twist-in, or NPT thread twist-in. Various types of flanges are available for fitting fuel tank if necessary.
- ◆ Mounting: -38mm×2.6mm O-ring  
-43mm×3.5mm O-ring
- ◆ Protection rank: IP67
- Utilizing magnetic field to control the reed on-off switch, the product features a long service life and protection against vibration.
- Rated power: 125mW
- Rated current for alarm switch: 500mA
- Wire: PVC material (PA corrugated pipe cover is optional)
- Connector: Delphi, Tyco, or others are available according to customer's requirements.
- Output signal: Resistance control signal, 0~190Ω, 240~33Ω, or customized as required; You can also choose current control signal, 0~20mA, 4~20mA or Voltage control signal, 0.5~4.5VDC, 0~5VDC.
- Resolution range: 10~40mm
- Operating temperature: -40°C ~ +85°C

KUS is the world's leading supplier of multipurpose level sensors. Every year more than a million KUS sensors are installed in boats, trucks and off-road equipments all over the world. Measurements are done by series of reed switches positioned inside the level tube. The float is the only moving part of the sensor, thereby minimizes potential mechanical failures. These features contribute to the the sensor's precise level measurements.



\* Please contact us for more details.

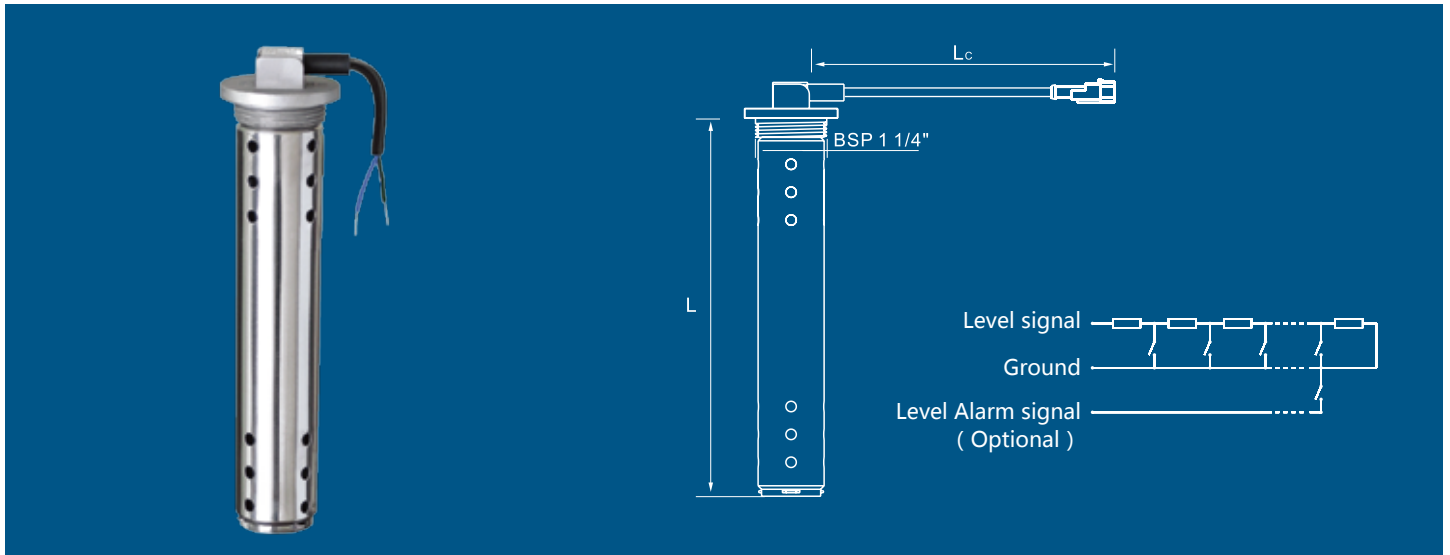
## S5/S3 Series

Art. No.	Product Name	Specification	Art. No.	Product Name	Specification		
JS60055	S5-E150mm	Output Signal : 0~190Ω Mounting : SAE standard 5 holes Length of Wire : 460mm Gasket : NBR Alarm : No Material: SS316 Logo: KUS	JS61043	S3-E150mm	Output Signal : 0~190Ω Mounting : BSP 1 1/4" Thread Length of Wire : 460mm Gasket : NBR Alarm : No Material : SS316 Logo : KUS		
JS60057	S5-E200mm		JS61045	S3-E200mm			
JS60059	S5-E250mm		JS61047	S3-E250mm			
JS60061	S5-E300mm		JS61049	S3-E300mm			
JS60063	S5-E400mm		JS61051	S3-E400mm			
JS60065	S5-E500mm		JS61053	S3-E500mm			
JS60067	S5-E600mm		JS61055	S3-E600mm			
JS60069	S5-E700mm		JS61057	S3-E700mm			
JS60071	S5-E800mm		JS61059	S3-E800mm			
JS60073	S5-E900mm		JS61061	S3-E900mm			
JS60075	S5-E1000mm		JS61063	S3-E1000mm			
JS60076	S5-E1100mm		JS61064	S3-E1100mm			
JS60077	S5-E1200mm		JS61065	S3-E1200mm			
JS60078	S5-E1300mm		JS61066	S3-E1300mm			
JS60079	S5-E1400mm		JS61067	S3-E1400mm			
JS60080	S5-E1500mm		JS61068	S3-E1500mm			
JS60081	S5-E1600mm		JS61069	S3-E1600mm			
JS60334	S5-U150mm		Output Signal : 240~33Ω Mounting : SAE standard 5 holes Length of Wire : 460mm Gasket : NBR Alarm : No Material : SS316 Logo : KUS	JS61368		S3-U150mm	Output Signal : 240~33Ω Mounting : BSP 1 1/4" Thread Length of Wire : 460mm Gasket : NBR Alarm : No Material : SS316 Logo : KUS
JS60336	S5-U200mm			JS61332		S3-U200mm	
JS60338	S5-U250mm			JS61334		S3-U250mm	
JS60340	S5-U300mm	JS61336		S3-U300mm			
JS60342	S5-U400mm	JS61338		S3-U400mm			
JS60344	S5-U500mm	JS61340		S3-U500mm			
JS60346	S5-U600mm	JS61342		S3-U600mm			
JS60348	S5-U700mm	JS61344		S3-U700mm			
JS60350	S5-U800mm	JS61346		S3-U800mm			
JS60352	S5-U900mm	JS61348		S3-U900mm			
JS60354	S5-U1000mm	JS61350		S3-U1000mm			
JS60355	S5-U1100mm	JS61351		S3-U1100mm			
JS60356	S5-U1200mm	JS61352		S3-U1200mm			
JS60357	S5-U1300mm	JS61353		S3-U1300mm			
JS60358	S5-U1400mm	JS61354		S3-U1400mm			
JS60359	S5-U1500mm	JS61355		S3-U1500mm			
JS60360	S5-U1600mm	JS61356		S3-U1600mm			

\* Optional Flange :  
Please refer to page 44 "Flange for mounting"

Remark: The length can be customized according to the tank height.

## S3HT Series



- ◆ Material: The main body is made of stainless SS316
- ◆ Length range: 4" , 6" , 8" , 12" , 16" It can also be customized according to your requirements.
- ◆ Assembly: Various types of flanges is available for fitting fuel tank if necessary.
- ◆ Mounting:
  - 38mm×2.6mm O-ring,
  - 43mm×3.5mm O-ring.
- ◆ The outer tube can be detached for easy cleaning.
- ◆ Protection rank: IP67
- Utilizing magnetic field to control the reed on-off switch, the product features a long service life and protection against vibration.
- Rated power: 125mW
- Rated current for alarm switch: 500mA
- Wire: PVC material (PA corrugated pipe cover is optional)
- Connector: Delphi, Tyco, or others are available according to customer's requirements.
- Output signal: Resistance control signal, 0~190Ω , 240~33Ω, or customized as required; You can also choose current control signal, 0~20mA, 4~20mA or Voltage control signal, 0.5~4.5VDC, 0~5VDC.
- Resolution range: 10~40mm
- Operating temperature: -40°C ~+85°C

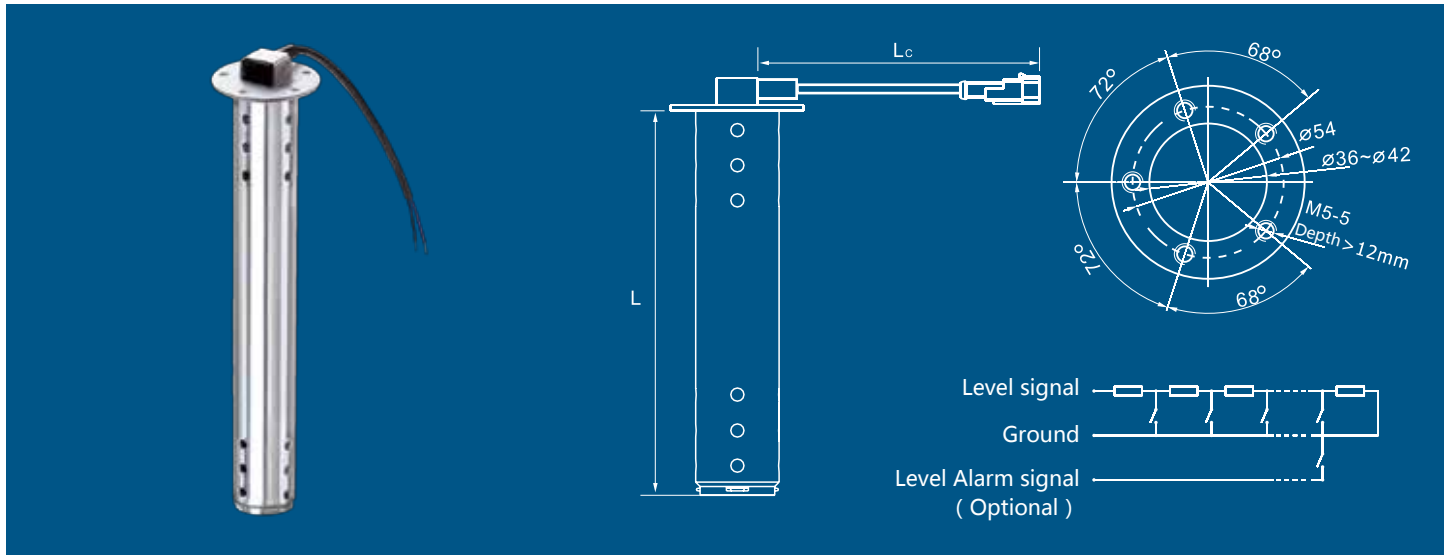
Art. No.	Length(mm)	Specification
JS63186	S3HT-U150	Output : 240~33Ω Mounting : BSP 1 1/4" Thread Gasket : NBR Length of wire : 460mm Material : SS316 Logo : KUS Length of Sensor: Customized
JS63187	S3HT-U175	
JS63062	S3HT-U200	
JS63188	S3HT-U225	
JS63189	S3HT-U250	
JS63203	S3HT-U275	
JS63063	S3HT-U300	
JS63014	S3HT-U350	
JS63064	S3HT-U400	
JS63190	S3HT-U450	
JS63191	S3HT-U500	

Art. No.	Length(mm)	Specification
JS63171	S3HT-E150	Output : 0~190Ω Mounting : BSP 1 1/4" Thread Gasket : NBR Length of wire : 460mm Material : SS316 Logo : KUS Length of Sensor: Customized
JS63172	S3HT-E175	
JS63173	S3HT-E200	
JS63174	S3HT-E225	
JS63148	S3HT-E250	
JS63205	S3HT-E275	
JS63149	S3HT-E300	
JS63089	S3HT-E350	
JS63146	S3HT-E400	
JS63175	S3HT-E450	
JS63152	S3HT-E500	

Note: The above items are without flange, but we can offer optional flange, refer to JSM1714 on page 44.

\* Please contact us for more details.

## S5H Series



- ◆ Uses: Mainly used in black water or grey water tanks. Can also be used in fresh water tanks.
- ◆ Material: The main body is made of SS316 stainless steel.
- ◆ Length range: 4" , 6" , 8" , 12" , 16" , 20" , 30" It can also be customized according to your requirements.
- ◆ Mounting: SAE standard 5 holes, other mounting methods available.
- ◆ Using NPT thread to fix and seal the sensor and flange, with addition of Teflon tape belts to seal if necessary.
- ◆ Protection rank: IP67
- Utilizing magnetic field to control the reed on-off switch, the product features a long service life and protection against vibration.
- Rated power: 125mW
- Rated current for alarm switch: 500mA
- Wire: PVC material (PA corrugated pipe cover is optional)
- Connector: Delphi, Tyco, or others are available according to customer's requirements.
- Output signal: Resistance control signal, 0~190Ω , 240~33Ω, or customized as required; You can also choose current control signal, 0~20mA, 4~20mA or Voltage control signal, 0.5~4.5VDC, 0~5VDC.
- Resolution range: 10~40mm
- Operational temperature: -40°C ~ +85°C

Art. No.	Length(mm)	Specification
JKS00103	S5H-U150	Output : 240~33Ω Mounting : SAE standard 5 holes Gasket : NBR Length of wire : 460mm Material : SS316 Logo : KUS Length of Sensor: Customized
JKS00104	S5H-U175	
JKS00105	S5H-U200	
JKS00106	S5H-U225	
JKS00107	S5H-U250	
JKS00108	S5H-U275	
JKS00109	S5H-U300	
JKS00110	S5H-U350	
JKS00111	S5H-U400	
JKS00112	S5H-U450	
JKS00113	S5H-U500	

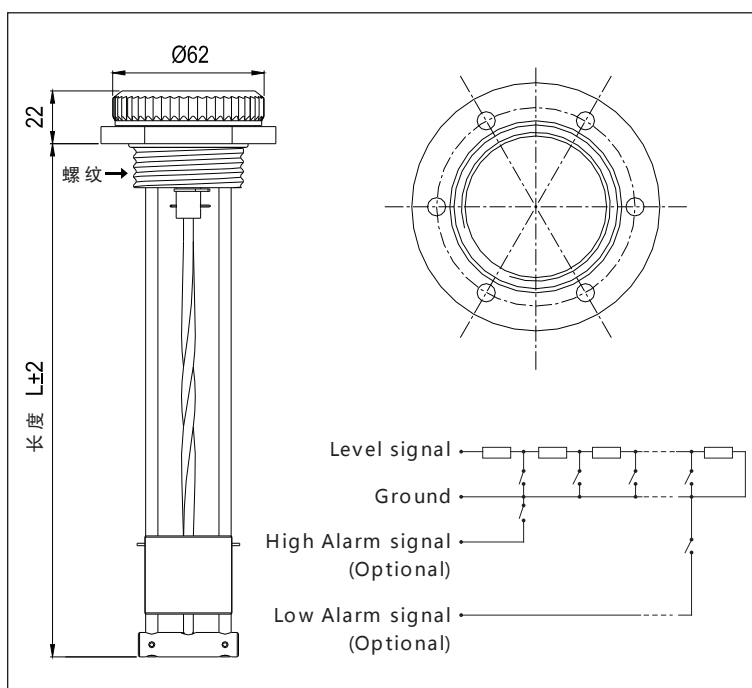
Art. No.	Length(mm)	Specification
JKS00092	S5H-E150	Output : 0~190Ω Mounting : SAE standard 5 holes Gasket : NBR Length of wire : 460mm Material : SS316 Logo : KUS Length of Sensor: Customized
JKS00093	S5H-E175	
JKS00094	S5H-E200	
JKS00095	S5H-E225	
JKS00096	S5H-E250	
JKS00097	S5H-E275	
JKS00098	S5H-E300	
JKS00099	S5H-E350	
JKS00100	S5H-E400	
JKS00101	S5H-E450	
JKS00102	S5H-E500	

\* Please contact us for more details.

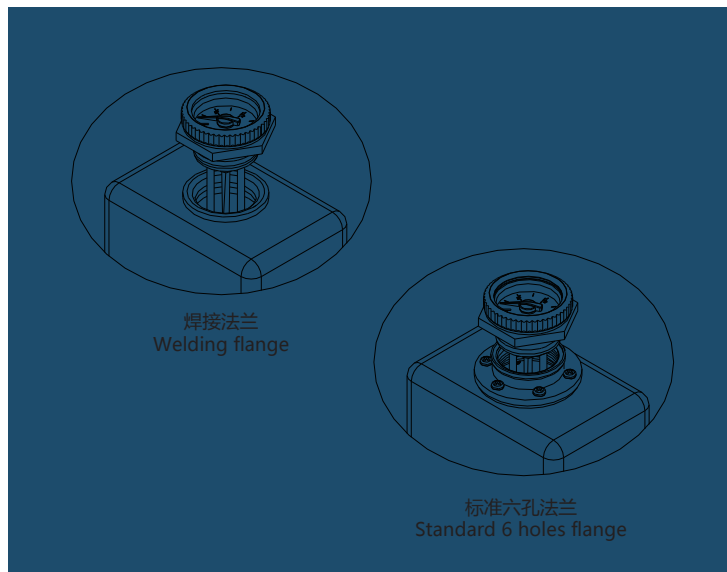


- 机械式仪表集液位探测及液位显示于一体,无需电源即可正常工作。可根据客户需要增加高、低位报警功能。
- 此仪表广泛应用于各类发电机、发动机等的燃油箱、水箱上,不建议在车辆上使用。
- The mechanical gauge integrates the function of level measuring and level display level without power supply. High and low alarm function can be added to the gauge according to customer requirement.
- This gauge largely applies to fuel tanks of generators and engines. It also applies to water tanks. Not recommended for vehicles.

- 工作温度: -40~+85°C
- 显示精度: 5%
- 主体材料: 铝合金
- 螺纹接口: M45x2或BSP 1 1/2
- 法兰(选配): 标准六孔焊接法兰
- 旋紧扭力矩: 300~400N.m
- 长度范围: 120~700mm
- 报警开关: 选配,可选择高位或者低位报警,报警电流小于500mA,报警点可设在9/10和1/10位置。
- 信号输出: 输出9个电阻信号,可根据客户要求定制阻值范围。
- Operating temperature : -40~85°C
- Integrated precision : 5%
- Main material : Aluminium alloy
- Threading types : M45x2 or BSP 1 1/2
- Flange ( Optional ) : Standard 6-hole, welding flange.
- Screwing torque : 300~400N.m
- Length range: 120~700mm
- Alarm switch : Optional high or low level alarm switch can be set at 9/10 or 1/10 level. Alarm current is < 500mA. The alarm point can be set at the level of 9/10 and 1/10.
- Signal output: The product can output 9 resistance signals, resistance range can be customized.



长度(mm) Length	主体螺纹 Main body thread	报警 Alarm	法兰类型 Flange modle	备注 Remark
120 ~ 700	<input type="checkbox"/> M45×2 <input type="checkbox"/> BSP 1 1/2" <input type="checkbox"/> M47×1.5 <input type="checkbox"/> NPT 1 1/2"	<input type="checkbox"/> 无报警/No <input type="checkbox"/> 低位报警/Low alarm <input type="checkbox"/> 高位报警/High alarm <input type="checkbox"/> 高低位报警/High & low alarm <input type="checkbox"/> 信号输出/Output singal	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	法兰类型请参考附页说明。 Attached appendix of flanges for your reference.
* 请定义你所需规格。 Please define your specification.				



- 装配螺纹有M45×2与BSP1 1/2两种规格
  - 油箱上无法制作螺纹，则可使用配套法兰
  - 标准六孔法兰配螺丝锁紧
  - 选用焊接法兰与油箱焊接
- Threading types:  
M45×2 and BSP 1 1/2.
  - If there is no threadings on the tank, then a matched flange can be applied.
  - The standard 6 holes flange(locked by screws).
  - The welding flange(weld onto the tank).

法兰类型参照表：  
Appendix of flanges:

法兰 Flange	料号 Art. No.	材质 Material	螺纹规格 Thread	L1(mm)	L2(mm)	类型 Modle	图例 Style
	JSA0100	Alu.	M45×2	18	—	A	
	JZA0164	Alu.	M45×2	15	12	B	
	JZM0429	Fe	M45×2	15	12		
	JZM0515	SUS 316	M45×2	20	15		
	JZM0658	Fe	BSP 1 1/2"	15	12		
	JZM0807	SUS 316	M45×2	50	45		
	JZM1193	Fe	M45×2	25	10		
	JSA0265	Alu.	BSP 1 1/2"	15	12		
	JZM0774	Fe	BSP 1 1/2"	30	—	C	

\* 详细信息，请与我司联系！ Please contact us for more details.

## Rudder Angle Sensor



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.

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

Art. No. : JSM4480

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



Art. No. : KE41002

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.

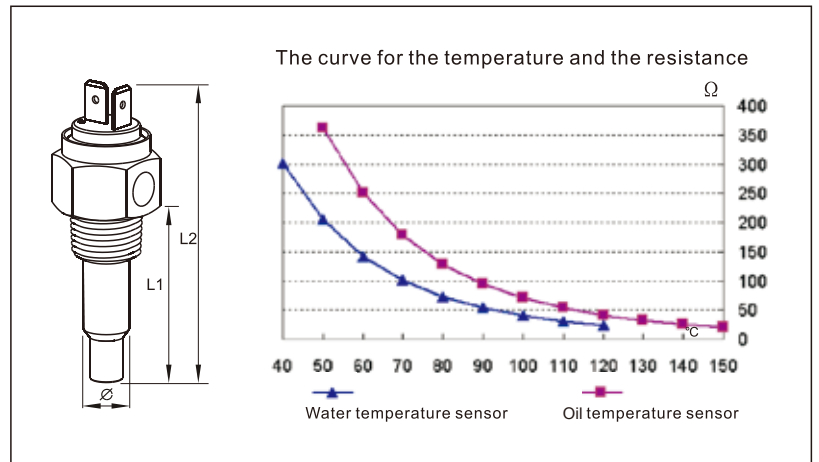


# Temp. Sensor



- The main body is made of brass.
- Please refer to appendix 1 for product types (temperature sensor series)
- Sensors have double metal plate connectors.  
Eg: Type II and Type III (Type III with alarm feature)
- Protection rank: IP67

- Rated voltage: 6V~24V
- Temperature response time: Minimum 3 minutes after power supply electrified.
- Rated power for alarm switch: 1.2W~3W
- The temperature alarm tolerance:  $\pm 3^{\circ}\text{C}$
- Type of alarm touch:  
The switch turns off when the 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 : M5x0.8mm  
Threaded Rod=Temperature Signal  
Case Earth

\* Please contact us for more details.

# Temp. Sensor

## WATER TEMPERATURE SENSORS

Art. 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.

# Temp. Sensor

## WATER TEMPERATURE SENSORS

Art. 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.

## Temp. Sensor

## OIL TEMPERATURE SENSOR

Art. No.	Product Name	Temperature Max(°C)	Alarm Temp.(°C)	Thread Spec.	L1(mm)	L2(mm)	Type
KE01001	SON-1	150	—	M14×1.0	28.5	51	I
KE01000	SON-1	150	—	M14×1.25	28.5	51	
KE01002	SON-1	150	—	M14×1.5	28.5	51	
KE01003	SON-1	150	—	M16×1.5	28.5	51	
KE01004	SON-1	150	—	M18×1.5	28.5	51	
KE01005	SON-1	150	—	1/4"-18NPT	28.5	51	
KE01006	SON-1	150	—	1/8"-27NPT	28.5	51	
KE01007	SON-1	150	—	3/8"-18NPT	28.5	51	
KE01008	SON-1	150	—	1/2"-14NPT	28.5	51	
KE01009	SON-1	150	—	5/8"-18UNF	28.5	51	
KE01013	SON-2	150	—	M16×1.5	28.5	58.7	II
KE01017	SON-2	150	—	3/8"-18NPT	28.5	58.7	
KE01014	SON-2	150	—	M18×1.5	28.5	58.7	
KE01018	SON-2	150	—	5/8"-18UNF	28.5	58.7	
KE01012	SON-2	150	—	M14×1.5	28.5	58.7	
KE01016	SON-2	150	—	1/2"-14NPT	28.5	58.7	
KE01019	SON-2	150	—	R3/8"-19	28.5	58.7	
KE01020	SON-2	150	—	M22×1.5	28.5	58.7	
KE01102	SOA-3	150	120	M14×1.0	41	71.5	III
KE01103	SOA-3	150	120	M14×1.25	41	71.5	
KE01104	SOA-3	150	120	M14×1.5	41	71.5	
KE01105	SOA-3	150	120	M16×1.5	41	71.5	
KE01106	SOA-3	150	120	M18×1.5	41	71.5	
KE01107	SOA-3	150	120	M16×1.5	41	71.5	
KE01108	SOA-3	150	120	1/2"-14NPT	41	71.5	
KE01101	SOA-3	150	120	3/8"-18NPT	41	71.5	
KE01100	SOA-3	150	120	5/8"-18UNF	41	71.5	
KE01109	SOA-3	150	120	M20×1.5	41	71.5	
KE01110	SOA-3	150	115	1/2"-14NPT	41	71.5	
KE01023	SOA-3	150	105	M12×1.25	41	71.5	
KE01111	SOA-3	150	80	M14×1.5	41	71.5	
KE01112	SOA-3	150	120	1/4"-18NPT	41	71.5	
KE01113	SOA-3	150	120	M22×1.5	30	68.5	
KE01114	SOA-3	150	135	M16×1.5	41	71.5	
KE01115	SOA-3	150	100	M14×1.0	41	71.5	

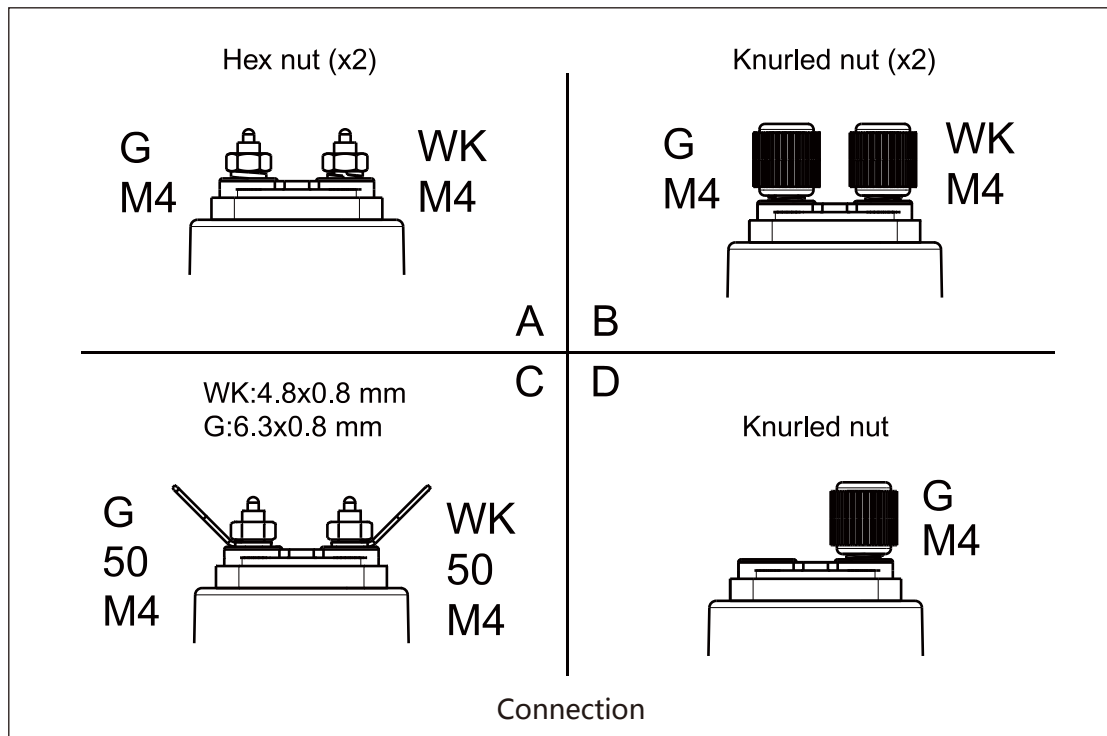
\* Please contact us for more details.

## Pressure Sensor(Mechanical)



- It combines the advantages of excellent anti-vibration performance, long service life, simple assembly process, stable quality, wide range of operating temperature, etc.
- It is largely applied to many fields, such as the engine pipe of vehicles and ships, water processing projects, inspection and control of industrial processes, hydraulic and pneumatic control projects, etc.
- Protection rank: IP66

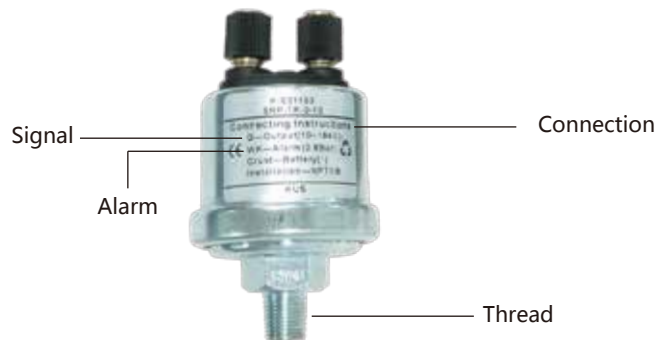
- Operating voltage: 6~24V
- Conducting power: < 5W
- Operating temperature: -25 ~120°C(120°C MAX 1H)
- Measuring range: 0~5Bar or 0~10Bar
- Alarm: 0.8Bar or 1.4Bar
- Output signal: Standard resistance value: 10~184Ω
- Thread fitting: NPT1/4、NPT1/8、M10、M10X1 or customized as requires.



\* Please contact us for more details.

## Pressure Sensor(Mechanical)

Art. 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		
KE21104	NPT1/8	0-5	10-184	0.8±0.2	B	White zinc plated
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	NPT 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		
KE21124	NPT1/8	0-10	10-184	0.5±0.2	C	White zinc plated
KE21142	NPT1/8	0-10	10-192	0.8±0.2		
KE21120	NPT1/8	0-10	10-184	0.8±0.2		
KE21005	NPT1/8	0-5	10-184	No	D	White zinc plated
KE21152	BSP-1/8	0-10	10-184	No		



\* Please contact us for more details.

# Tacho Sensor



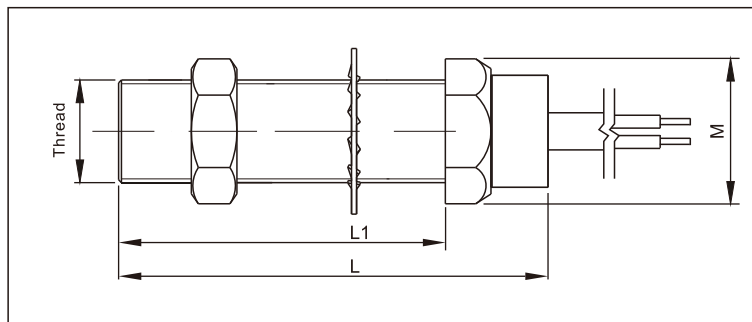
- Used for measuring gear rotation speed. Its main advantages include stable signal output, wide range of operational temperature, small size, and simple assembly process.
- It covers a wide range of measurements, including zero rotation speed.
- The shell appearance, material and thread fitting can be customized as requires.
- Protection rank: IP65

## Holzer Tacho Sensor

- Operating voltage: 8~32V with polarity protection
- Operating current: < 50mA
- Operating temperature: -40~85°C
- Output signal: Square wave
- Signal duty factor: 47±5%
- Inductance distance: ≤2mm
- Connection method: three or four wires connection

## Magnetolectric Tacho Sensor

- Operating temperature: -40~85°C
- Output signal: sine wave
- Inductance distance: ≤1mm
- Tooth module: 2~6
- Connection method: two wires connection



Art. No.	L(mm)	L1(mm)	Thread	M	Output Signal	Frequency Range(Hz)	Connection	Appearance
KE10010	100	80	M16×1.5	SW19	Sine wave	100-15000	Two wires	Nickel plated
KE10011	65	45	M16×1.5	SW19				
KE10012	100	80	UNF5/8	SW19				
KE10000	80	60	M18×1.5	SW22	Square wave	0-20000	Three wires	
KE10001	80	70	M18×1.5	No hexagon				
KE10004	80	70	M16×1.5	No hexagon				
KE10005	60	40	M18×1.5	SW22				
KE10006	80	70	UNF5/8	No hexagon				
KE10007	80	60	UNF5/8	SW19				

\* Please contact us for more details.





