

PRODUCT OVERVIEW

LEVEL MEASUREMENT

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Capacitance Fuel Level Sensor LC22

PROFILES

The capacitive fuel level sensor LC22 is a contact-type liquid level measurement device that uses capacitive sensing technology to detect the height of fuel and other liquid media. Compared with traditional level measurement methods, capacitive sensing offers higher measurement accuracy, simpler installation, and more reliable performance. When connected to networked or telematics systems, it enables real-time remote monitoring of fuel level and liquid status.

Optimized specifically for vehicle fuel tank monitoring, the sensor integrates advanced algorithms to ensure accurate and stable readings under complex road conditions and in special tanks. It is also suitable for hazardous goods transport vehicles, providing consistent and dependable level data. The cuttable probe design allows the sensor length to be freely trimmed according to tank dimensions, making it adaptable to fuel tanks of different sizes and vehicle types.



CHARACTERISTICS:

- ☆ High stability and reliability
- ☆ Supports multiple signal output options
- ☆ Cuttable probe design for different fuel tank sizes
- ☆ Wide power supply, compatible with various tracking terminals and vehicles
- ☆ Easy to install and disassemble
- ☆ High signal strength, suitable for different non-conductive liquids
- ☆ Built-in anti-interference structure and circuit
- ☆ Integrated high-precision calculation model with millimeter-level measurement resolution

APPLICATIONS:

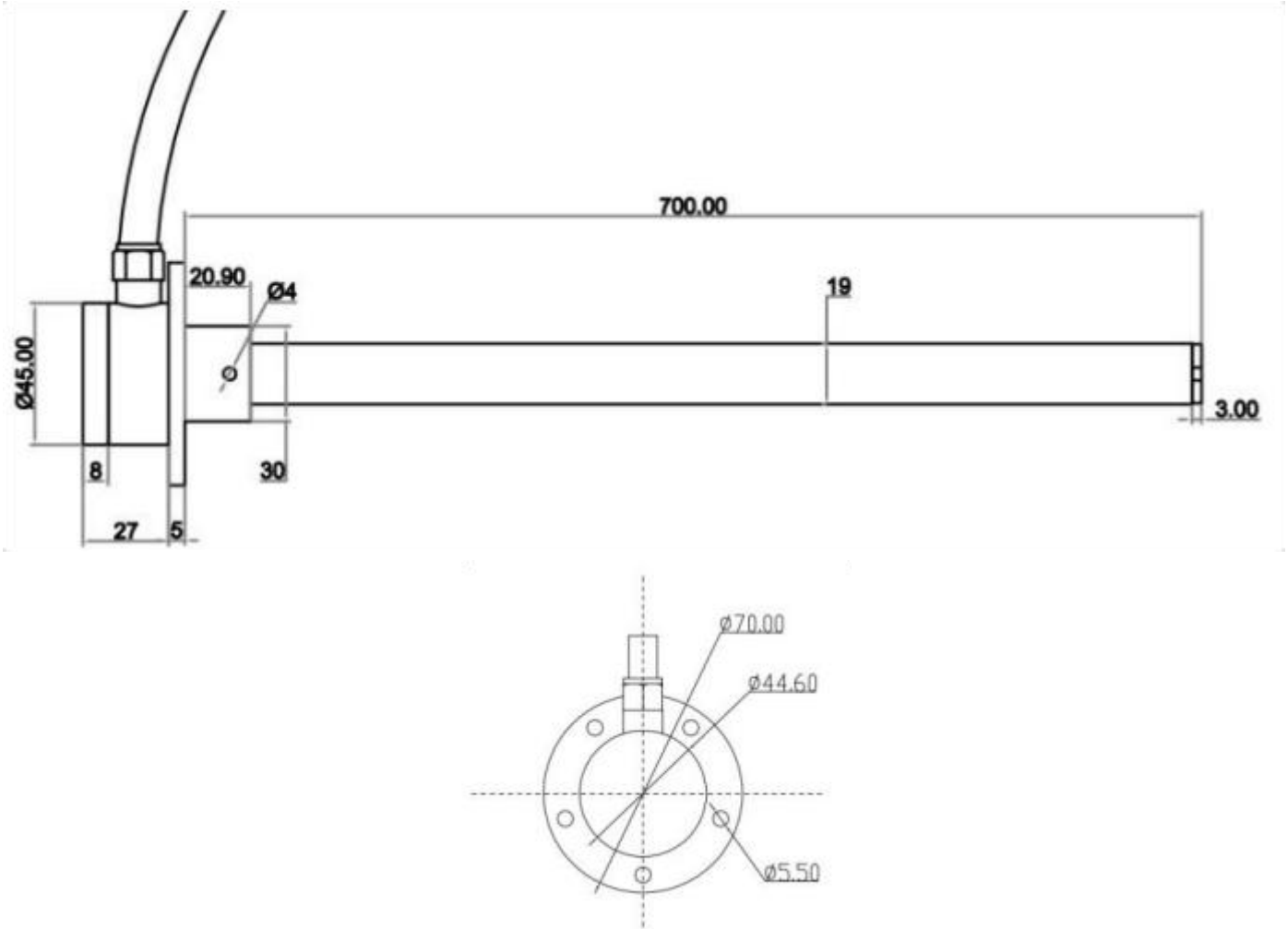
- ★ Trucks and commercial freight vehicles
- ★ Construction machinery and engineering vehicles
- ★ Buses and passenger transport vehicles
- ★ Agricultural vehicles and farming machinery
- ★ Special-purpose vehicles
- ★ Generator sets and stationary fuel tanks
- ★ Fuel consumption monitoring and anti-theft systems
- ★ Fleet management and remote fuel monitoring platforms

SPECIFICATIONS

Model Parameter	LC22
Measuring range	10mm~1000mm (Customizable)
Output	RS485, RS232, 0-5, 0-3.3V, 0.5-4.5V
Measuring medium	Gasoline, Diesel, Lubricating Oil, Cooling Oil
Operating voltage	9-36 V DC, 5 V
Measuring accuracy	≤0.5%FS
Operating temperature	-40°C to +75°C
Resolution	0.1mm
Overall structure	Column type
Main body material	Aluminum alloy
Flange dimensions	Outer diameter 70mm—Inner diameter 20mm
Mounting method	Top mounted
Measuring angle	0 to 5°

DIMENSION AND DRAWING

Unit, mm



PART NUMBER CODE FOR PRESSURE RANGE

001	0-100mm	007	0-700mm
002	0-200mm	008	0-800mm
003	0-300mm	009	0-900mm
004	0-400mm	010	0-1000mm
005	0-500mm		
006	0-600mm		

ORDER INFORMATION

L22 SELECTION	006	2	E5	S18	1	D	M	1
Level Range	Refer to <i>PART NUMBER CODE TABLE FOR RESSURE RANGE</i> on previous page and select your requested range code here							
Measuring Medium	1=Water 2=Gasoline 3=Diesel 4=By customized							
Output	E5=4-20 mA E6=5=0-5 V E11=RS485 E12=RS232 E59=0-3.3 V E21= 0.5-4.5 V non-ratiometric							
Power Supply	S18=9-36 V DC S6=5 V DC							
Accuracy	1=0.5%F.S							
Probe Diameter	D=18mm							
Process Connection	1=Top mounted							
Cable Length	0=0 m 1=1 m... X=X m							