

# PS-01

## Ceramic Capacitive Oil Pressure Sensor

Exclusive accessory for GCU-2000 Digital Genset PLC Control Unit

### Features

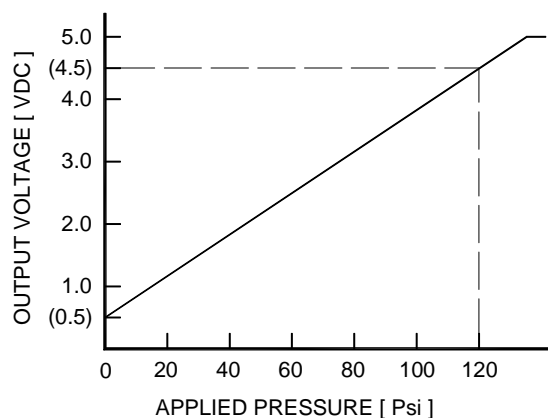
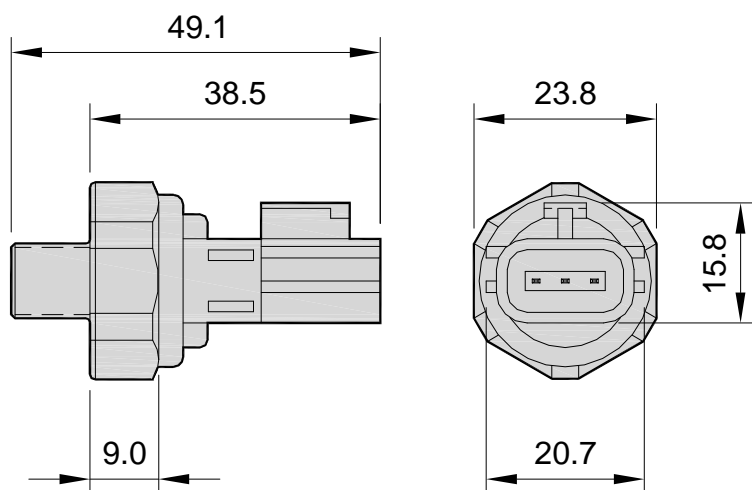
- Full Scale Accuracy  $\pm 2.5\%$  ( $-30\sim 120\text{ }^{\circ}\text{C}$ )
- Operating Temperature Range  $-40\sim 140\text{ }^{\circ}\text{C}$
- EMI Protection to 100 V/m
- Transmission Distance Max. 30M
- Waterproof Integral Electrical Connector
- Exceptional Shake and Vibration Tolerance
- No Adjustment Needed, 100% Compatibility if New Sensor Replaced
- Ceramic Capacitive Pressure Sensor, Excellent Accuracy, More Precise Than The Traditional Resistance Pressure Sensor
- Built in Temperature Compensatory, Excellent Stability, Unaffected from External Thermal Interference
- Extremely Stable Linearity Output, No need for Adjustment After Installation or Maintenance



### Specifications

Supply Voltage	4.5~5.5 VDC	Operating Pressure	0~120 Psi (0~8.0 Bar)
Output Voltage	0.5~4.5 VDC	Proof Pressure	230 Psi (16.0 Bar)
Supply Current	10 mA at 5.5V	Burst Pressure	435 Psi (30.0 Bar)
Output Current	1.5 mA	Thread	1/8-27 NPTF-2A
Output Ripple	25 mV rms	Ingress Protection	IP65
Accuracy	$\pm 2.5\%$ ( $-30\sim 120\text{ }^{\circ}\text{C}$ )	Operating Temperature	$-40\sim 140\text{ }^{\circ}\text{C}$
Thermal Effect on Snap	$\pm 0.002\%$ / $^{\circ}\text{C}$		

### Mechanical Specifications (Unit : mm)



### Physical Specification

Dimensions	PS-01-2.5	2.5M	Weight	PS-01-2.5	141 g $\pm 2\%$
	PS-01-5.0	5.0M		PS-01-5.0	231 g $\pm 2\%$