

OPS-01

Stainless steel, thin-film oil pressure sender

Accessory for use with KUTAI GCU-3000 Digital Genset Control Unit

Features

- Highly accurate output 0.5% (0 to 100 Psi)
- Broad operating temperature range -20°C to +125°C
- Special IP65 rated waterproof connection provides excellent protection
- Suitable for use in extreme vibration environments
- All units are the same, requiring no calibration after replacement
- Excellent output signal linearity – requires no adjustment when installed
- Thin film sensing integrated circuit (IC) provides much better accuracy than ceramic capacitive or variable resistance senders
- Built-in temperature compensation circuit provides excellent stability – output is not affected by temperature
- CE, UL and RoHS certifications



Specifications

Operating Voltage	4.5 to 5.5 Vdc	Operating Pressure Range	0 to 100 Psi (0 to 6.9 Bar)
Output Voltage	0.5 to 4.5 Vdc	Proof Pressure	450 Psi (30 Bar)
Max. Current Consumption	10 mA at 5.5V	Burst Pressure	3000 Psi (200 Bar)
Max. Current Output	4.0 mA	Ingress Protection	IP67
Accuracy	0.5% (0 to 100 Psi)	Operating Temperature	-20 to +125 °C
Thermal Drift	0.002% / °C	Vibration	40 Gs (sine wave)
Thread Type	1/8-17 PT	Weight	35 g +/-2%

Certifications

EMC (Emissions Test)	EN61326-1:2006	EMC (Immunity Test)	EN61326-1:2006
	EN61326-2-3:2006		EN61326-2-3:2006
Shock	IEC 68-2-32 Procedure 1		

Standard Accessories

HU-250-OPS02 2.5M cable connects OPS-01 to GCU-3000 control unit

Optional Accessories

HU-500-OPS02 5.0M cable connects OPS-01 to GCU-3000 control unit

Dimensions

