

KPS-200

PIEZORESISTIVE PRESSURE SENSOR



At KLED Measurement, we offer a variety of pressure transmitters that provide accurate and reliable measurements. A pressure transmitter is an electronic device used to measure and monitor fluid pressure in industrial applications. It provides a wide range of accuracy and reliability, making it ideal for use in many different industries. Our products are designed to meet the needs of a wide range of applications and offer reliable performance in the most demanding environments. From low pressure to high pressure ranges, our pressure transmitters are designed to provide reliable, cost-effective solutions..

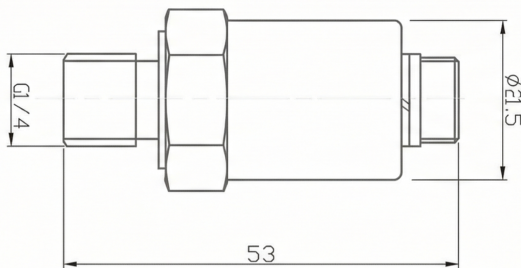
Features

- Heavy Industrial Rugged Design
- Fast Dynamic Pressure Response
- Wide Operating Temperature Range
- IP65 / IP67 Protection
- Stainless Steel 316L Wetted Parts
- Compact and Lightweight Construction
- 3-Wire Electrical Configuration
- Customizable Pressure Connector and Cable Length
- Suitable for Static and Dynamic Pressure Measurement

Specifications:

Parameter	Data
Make	KLED Measurement
Sensor Type	Piezoresistive Pressure Sensor
Model	KPS-200 Series
Pressure Range	0 – 200 Bar
Measuring Principle	Piezoresistive
Application Media	Air, Oil, Water, Compatible Fluids
Output Signal	0 – 5 V DC
Supply Voltage	10 – 30 V DC
Supply Current	7 – 20 mA
Accuracy	±0.25% FS
Response Time	< 1 ms
Frequency Response	2 KHz
Operating Temperature	-50°C to +125°C
Protection Class	IP65
Wetted Material	Stainless Steel 316L
Pressure Connection	M10 x 1
Electrical Connection	3-wire (Integral Cable)
Cable Length	2 meters
Vibration Resistance	≥ 50 g
Shock Resistance	≥ 1000 g
Weight	≤ 250 grams
Warranty	12 Months

Dimensions: (mm)



Electrical connection:



	4 – 20mA	0 – 5VDC , 0.5 – 4.5VDC
Red	Power +	Power +
Black	Output	Power -
Green or white	N/A	Output

Contact Information
KLED IoT Sensing Pvt Ltd