

# KLINGER PS



## Pressure transmitter

### FEATURES

- » Advanced glass micro-melting technology, flexible overall structure design, no leakage hazard
- » Efficient lightning protection, anti-radio frequency and electromagnetic interference protection
- » Advanced digital temperature compensation function, wide operating temperature range
- » High precision, high frequency response, good long-term stability



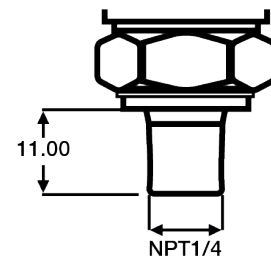
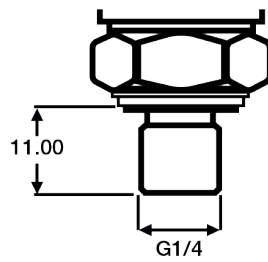
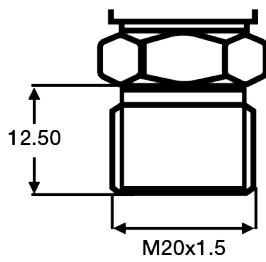
### SCOPE OF APPLICATION

- » Industrial Process Detection and Control
- » Automated Detection System
- » Hydraulic and Pneumatic Control System
- » Pumping Station and Water Treatment System
- » Industrial Machinery Manufacturing

### TECHNICAL PARAMETERS

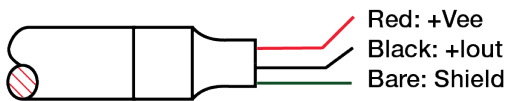
<b>TYPE OF PRESSURE</b>	Gauge pressure, absolute pressure, sealed pressure		
<b>PRESSURE RANGE (BAR)</b>	6 10 16 25 40 60 100 160 200 250 300 500 600		
<b>SIGNAL OUTPUT</b>	4~20mA 0.5-4.5VDC (proportional output) 0.5~4.5VDC 0~5VDC 0~10VDC		
<b>SIGNAL LINE SPECIFICATIONS</b>	2Wire 3Wire 3Wire 3Wire 3Wire		
<b>SUPPLY VOLTAGE</b>	9~30VDC 5VDC 9~30VDC 9~30VDC 15~30VDC		
<b>PRECISION</b>	± 0.5%FS ±1%FS	Breaking pressure	500%FS
<b>LONG-TERM STABILITY (1 YEAR)</b>	± 0.1%FS	Mechanical vibration	± 20g
<b>RESPONSE FREQUENCY (-3DB)</b>	3.2kHz	Impact (11ms)	100g
<b>TEMPERATURE COMPENSATION</b>	-20~+85 °C	Protection level	IP65
<b>OPERATING TEMPERATURE</b>	-40~+85 °C	Material	17-4PH
<b>STORAGE TEMPERATURE</b>	-40~+105 °C	Overload pressure	300%FS
<b>ELECTRICAL CONNECTIONS</b>	Directlead, M12 connector, Packard connector, Hirschmann (Mini), Hirschmann (DIN43650)		
<b>PRESSUREPORT</b>	M20x1.5 G1/4 NPT 1/4 (other customized as required)		
<b>ELECTROMAGNETIC COMPATIBILITY (EMC)</b>	EN61000-6		
<b>CERTIFICATION ITEMS</b>	CE RoHS		

## PRESSURE PORT SIZE

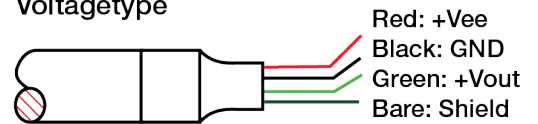


## ELECTRICAL INTERFACE AND WIRING METHOD

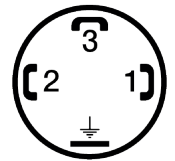
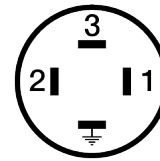
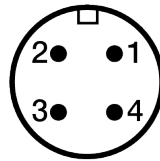
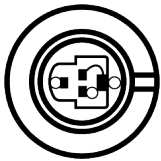
### Currenttype



### Voltage type



### Directlead



<b>4-20MA</b>	A	+Vee	Red
	B	+Iout	Black
<b>0.5-1.5VDC 0-5VDC 0-10VDC</b>	A	+Vee	Red
	B	GND	Black
	C	+Vout	Green

Packard connector

<b>4-20MA</b>	1	+Vee	Red/Brown
	3	+Iout	Black/Blue
<b>0.5-1.5VDC 0-5VDC 0-10VDC</b>	1	+Vee	Red/Brown
	2	+Vout	Black/White
	3	GND	Green/Blue

M12 connector

<b>4-20MA</b>	1	+Vee	Red
	2	+Iout	Black
<b>0.5-1.5VDC 0-5VDC 0-10VDC</b>	1	+Vee	Red
	2	+Vout	Green
	3	GND	Black
	⏏		Shield

Hirschmann connector

## STOCK VERSIONS

<b>PS10</b>	0..10BarG	G1/4	4..20mA	M12	±0,5% FS
<b>PS250</b>	0..250BarG	G1/4	4..20mA	M12	±0,5% FS
<b>PS400</b>	0..400BarG	G1/4	4..20mA	M12	±0,5% FS