



PRESSURE

STAINLESS STEEL PRESSURE TRANSMITTER

PSS2 SERIES

DESCRIPTION

The Kele **PSS2 Series Stainless Steel Pressure Transmitter** is highly accurate and compact, which makes it ideal for HVAC, building automation, and process gauge pressure applications. A splash-proof Packard-type electrical connector is provided for ease of installation. Eleven standard ranges are available for a wide variety of applications.

FEATURES

- *Splash-proof, plug-in electrical connector*
- *For steam, water, glycol, refrigerant, and more*
- *4-20 mA output*
- *304L/316L stainless steel wetted parts*
- *Wide range of pressures*
- *High overpressure capability*



PSS2

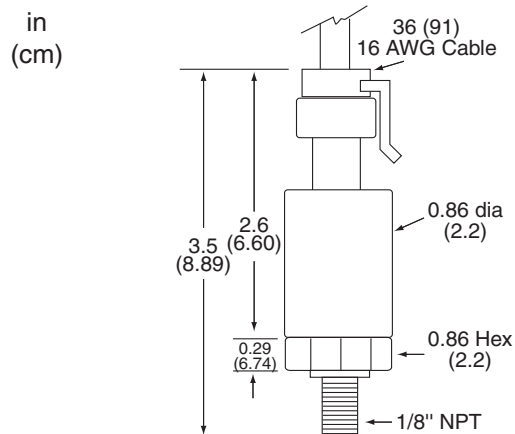


PSS2
PSS2 with optional enclosure and gauge

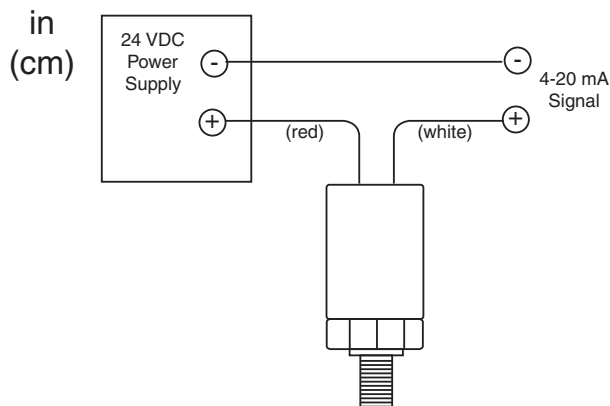
SPECIFICATIONS

Supply Voltage	8-30 VDC	Media Compatibility	Fluids compatible with brass, 304L and 316 stainless steel
Signal Output	4-20 mA	Response Time	<1 ms
Maximum Output Impedance	800Ω @ 24 VDC	Operating Temperature	-40° to 221°F (-40° to 105°C)
Accuracy	Models > 75 psi <0.5% of span Models < 50 psi <1.0% of span	Process Connection	1/8" MNPT, 316 stainless steel
Stability	<0.25% of span/year	Wiring Terminations	Splash-proof Packard connector, 16 AWG cable, 36" length
Thermal Effect	-40° to 221°F (-40° to 105°C), <0.5% FS	Dimensions	Enclosure: 5.11"H x 5.11"W x 2.95"D (13.0 x 13.0 x 7.5 cm)
Overpressure	3x range	Weight	4.4 oz (125 g) with 36" cable
Burst Pressure	5x range	Warranty	1 year
Measurement Range	0-15 psi to 0-1000 psi		

DIMENSIONS



WIRING





INSTALLATION

Mount the **PSS2 Series** in a manner that protects it from steam or temperatures outside of its operating range. A Model PT steam pigtail syphon must be installed in all applications where steam is to be monitored. When monitoring the pressure of a medium that is above or below the temperature operating range of the transmitter, the sensor should be isolated by a length of tubing. If 6" to 12" (15.2 to 30.5 cm) of brass tubing is used, temperatures up to 400°F (204°C) can be tolerated. See the Technical Reference section for information on Steam Isolation and Temperature Protection.

If the **PSS2 Series** is to be subjected to fluid hammer, pressure surges, or pulsations, a Model 47 pressure snubber is recommended.

CAUTION: Not for use with ammonia. The PSS2 can be used with media that is compatible with 304L and 316L stainless steel.

ORDERING INFORMATION

MODEL	DESCRIPTION
PSS2	Stainless steel 4-20 mA pressure transmitter
	PRESSURE RANGE psig (kPa)
15	0-15 (0-103.4)
30	0-30 (0-206.9)
50	0-50 (0-344.8)
75	0-75 (0-517.1)
100	0-100 (0-689.5)
150	0-150 (0-1034)
200	0-200 (0-1379)
300	0-300 (0-2068)
500	0-500 (0-3497)
750	0-750 (0-5171)
1000	0-1000 (0-6895)
	OPTIONS (leave blank for no options)
E	Watertight enclosure (with stainless steel bulkhead fitting)
G*	Enclosed with pressure gauge (watertight with transparent cover, brass fittings)
LCD*	Model LPI-1C LCD display with enclosure (not watertight, brass fittings)
RED*	Model LPI-1CR red digital display with enclosure (not watertight, brass fittings)

PSS2 - **100** - **G**

Example: PSS2-100-G Stainless steel pressure transmitter with a 4-20 mA output over the range of 0-100 psig, with pressure gauge, installed in a watertight enclosure with a transparent cover

* Brass wetted parts option is only for those mediums compatible with brass.

RELATED PRODUCTS

		PAGE
250R-3-1	250 OHM 3 WATT 1% Resistor Long Leads	89
47B-1	Brass piston style snubber	899
47S-1	Stainless steel piston style snubber	899
PT	1/4" pigtail syphon with fittings	390



PSS2-750

Connection Information

7olt Input, 4 to 20mA Output

Red = Power White = Return

