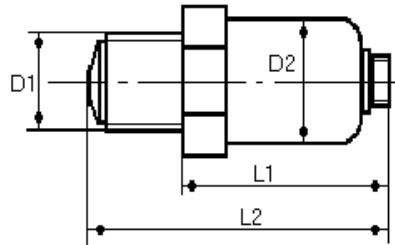


Ultrahigh Pressure Transducer



D1 = various (see below) D2 = 24 mm (1 inch)
L1 = 64 mm (2 ½") L2 = 84 mm (3 ¼")

SPT pressure transducer

SPT pressure transducer is designed for ultrahigh pressure applications with pressure measurement up to 14000Bar (200 KPSI). It uses advanced technologies to eliminate side effects, improve sensitivity and increase working pressure range. The standard 4-20 mA current output maps directly to the posted pressure range of a unit, which makes it easy to use the transducer in a control feed back loop, and also easy to select matching display instruments. Normalized 0-10 mA current output is also available.

Unlike a gauge, the SPT pressure transducer can be connected to a display unit through electrical cable so that the display unit can be placed in a rack away from the pressured area. The RS232/485 connector on the display unit allows direct interface to a computer for easy data acquisition.

Sensitivity	Up to 3.0 mV/V.
Output (mA)	4-20 or 0-10
pressure range Bar KPSI	100, 200, 300, 500, 1000, 2000, 3000, 4500, 5000, 6000, 8000, 10000, 12000, 14000 1, 5, 10, 25, 50, 75, 100, 150, 175, 200
non linearity (% of R.O)	± 0.5
operating temperature (°C)	0 to +50°C, according to customer request can be designed above +80°C
sensitivity temperature coefficient	< 0.06%/°C
Input voltage (VDC)	7.5-24
Material	Brass/stainless steel
Hysteresis (% of R.O)	± 0.5
Repeatability (% of R.O)	± 0.2
Safe overload (% of R.O)	125
Bridge resistance (ohm)	350
Thread	M20x1.5, M14x1.5, M12x1, M10x1, 3/4-16, 9/16-18, 7/16-20, 3/8-24 or custom design
Display	choose from a variety of digital display
Data port	RS232/485 (when using a display module)
Resonant Frequency (KHz)	> 10

Ordering information: Model number is SPT - pressure range. For example: **SPT-400B** is 0-400Bar, **SPT-75KP** is 0-75KPSI transducer.