KPT

Compact pressure transmitter

± 0,25% accuracy

Best quality / price ratio

Threaded, sanitary type or for vacuum process connections

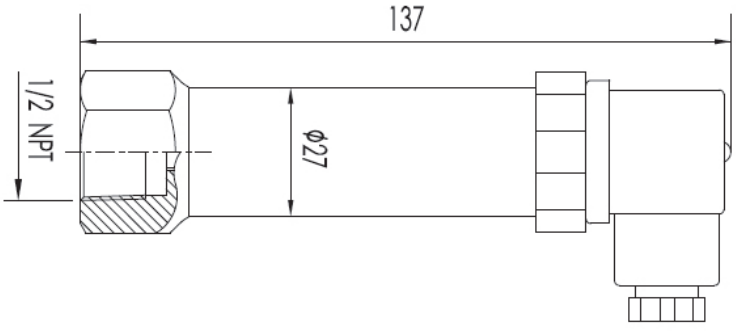
KPT is suitable for continuous liquids level measurement. Typical application are waste water and deep wells. KPT is a pressure transmitter which can be used for liquids, gases, and vapors measurement. The small size pressure transducer offers maximum operational reliability. KPT is a cheap solution for many different applications in all industrial process control.

Technical Feature

Power supply
12÷42Vdc (2-wires)
Measure range
Gauge pressure
Max. 0 ÷ 400bar (0 ÷ 40Mpa);
Min. 0 ÷ 0.1bar (0 ÷ 10kPa)
Absolute pressure
Max. 0 ÷ 25bar (0 ÷ 2,5MPa);
Min. 0 ÷ 1bar (0 ÷ 100kPa)
Negative pressure
Max.-1 ÷ +39bar (-0.1 ÷ 3,9MPa);
Min. -0.2 ÷ 0,2bar (-20 ÷ 20kPa)

Output
4÷20mA
Overload
1.5 times the F.S
Accuracy
±0.25%
Stability
> ±0.1%FS

Working temperature
-30° ÷ +120°C
IP rating
IP65
Temperature compensation
-10° ÷ +80°C
Display
LCD



KPT Pressure transmitter

Protection: IP65 - Working temperature: -30÷120°C
Power supply: 12÷42Vdc - Wire-loop connection (2 wires)
Output: 4÷20mA - Sealed material: viton (FPM)
Accuracy: ±0,25%

	Version	
	D	Standard
	E	With flat membrane
	S	With sanitary connection
	Z	Special
	Measure range	
	B1	0 ÷10KPa (0 ÷ 0,1bar) gauge pr.
	C1	0 ÷ 25KPa (0 ÷ 0,25bar) gauge pr.
	C2	0 ÷ 40KPa (0 ÷ 0,4bar) gauge pr.
	C3	0 ÷ 60KPa (0 ÷ 0,6bar) gauge pr.
	D1	0 ÷ 100KPa (0 ÷ 1bar) gauge pr.
	D2	0 ÷ 160KPa (0 ÷ 1,6bar) gauge pr.
	D3	0 ÷ 250KPa (0 ÷ 2,5bar) gauge pr.
	F1	0 ÷ 400KPa (0 ÷ 4bar) gauge pr.
	F2	0 ÷ 600KPa (0 ÷ 6bar) gauge pr.
	F3	0 ÷ 1,0MPa (0 ÷ 10bar) gauge pr.
	F4	0 ÷ 1,6MPa (0 ÷ 16bar) gauge pr.
	F5	0 ÷ 2,5MPa (0 ÷ 25bar) gauge pr.
	F6	0 ÷ 3,0MPa (0 ÷ 30bar) gauge pr.
	F7	0 ÷ 4,0MPa (0 ÷ 40bar) gauge pr. - not available for sanitary versions
	G1	0 ÷ 6,0MPa (0 ÷ 60bar) gauge pr. - not available for sanitary versions
	G2	0 ÷ 10MPa (0 ÷ 100bar) gauge pr. - not available for sanitary versions
	H1	0 ÷ 16MPa (0 ÷ 160bar) gauge pr. - not available for sanitary versions
	H2	0 ÷ 25MPa (0 ÷ 250bar) gauge pr. - not available for sanitary versions
	H3	0 ÷ 40MPa (0 ÷ 400bar) gauge pr. - not available for sanitary versions
	SG	Special gauge pressure
	B2	-20KPa ÷ +20KPa (-0,2 ÷ +0,2bar) gauge pr.
	C5	-100KPa ÷ 0KPa (- 1 ÷ 0bar) gauge pr.
	D4	-100KPa ÷ + 60KPa (- 1 ÷ 0,6bar) gauge pr.
	D5	-100KPa ÷ + 160KPa (- 1 ÷ 1,6bar) gauge pr.
	F8	-100KPa ÷ +300KPa (- 1 ÷ +3bar) gauge pr.
	F9	-100KPa ÷ +500KPa (- 1 ÷+5bar) gauge pr.
	FA	-100KPa ÷ +900KPa (- 1 ÷ +9bar) gauge pr.
	FB	-100KPa ÷ +1,5MPa (- 1 ÷ +15bar) gauge pr.
	FC	-100KPa ÷ +2,4MPa (- 1 ÷ +24bar) gauge pr.
	FD	-100KPa ÷ +2,9MPa (- 1 ÷ +29bar) gauge pr.
	FE	-100KPa ÷ +3,9MPa (- 1 ÷ +39bar) gauge pr. - not available for sanitary versions
	M1	0 ÷ 100KPa (0 ÷ 1bar) absolute pr.
	M2	0 ÷ 160KPa (0 ÷ 1,6bar) absolute pr.
	M3	0 ÷ 250KPa (0 ÷ 2,5bar) absolute pr.
	O1	0 ÷ 400KPa (0 ÷ 4bar) absolute pr.
	O2	0 ÷ 600KPa (0 ÷ 6bar) absolute pr.
	O3	0 ÷ 1,0MPa (0 ÷ 10bar) absolute pr.
	O4	0 ÷ 1,6MPa (0 ÷ 16bar) absolute pr.
	O5	0 ÷ 2,5MPa (0 ÷ 25bar) absolute pr.
	SA	Special absolute pressure
	Membrane / filling liquid	
	A	AISI316L / silicone oil
	C	Hastelloy C / silicone oil
	F	Ceramic / no filling (range min.0,6bar ÷ max. 16bar)
	X	AISI316L / vegetable oil
	Z	Special
	Process connection	
	0	Special
	1	½" NPT female thread SS316
	2	½" NPT male thread with ¼" NPT female threaded hole SS316
	3	M20 x 1,5 male thread SS316
	4	½" G male thread SS316
	5	KF16 ISO 2861 vacuum connection (max 2.5bar)
	6	¼" NPT male thread
	7	1" G male thread SS316
	8	¾" G male thread SS316
	9	½" G male thread PP (only with ceramic membrane opt. F)
	-	½" G male thread PVDF (only with ceramic membrane opt. F)
	A	Sanitary: CLAMP DIN 32676 DN25 / ISO 2852 DN25 (max 30bar) SS316
	B	Sanitary: CLAMP DIN 32676 DN40 / ISO 2852 DN38 (max 30bar) SS316
	C	Sanitary: CLAMP DIN 32676 DN50 / ISO 2852 DN51 SS316 - only for range B - C - D - M
	Accessories	
	0	None
	X	LCD display
	Y	LCD display with 2 switch limited points
	Z	Special