SPT

Smart pressure transmitter

Accuracy ± 0.075%

Measurement of relative and absolute pressure

Process connections: male or female threaded, type or for vacuum

Two wires with HART communication

Matrix backlight display

Fast time responsive self-diagnostics

ATEX

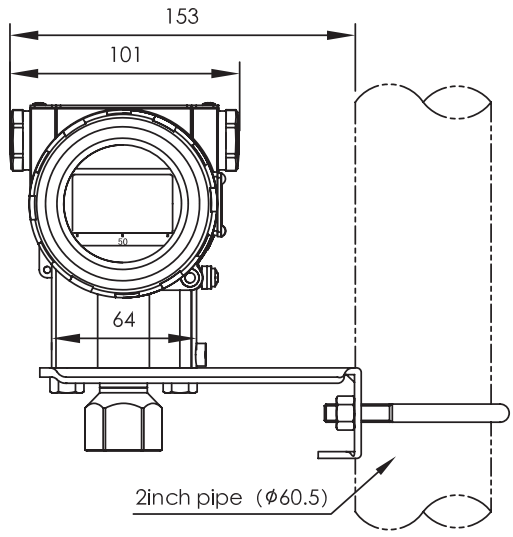
SPT is a pressure transmitter designed for use in industrial processes, very flexible in its use due to the high rangeability and the various process connections available. Thanks to its innovative technology the measurement is particularly stable over time and accurate. The internal temperature sensor corrects deviations of the measurement due to thermal variations in the process.

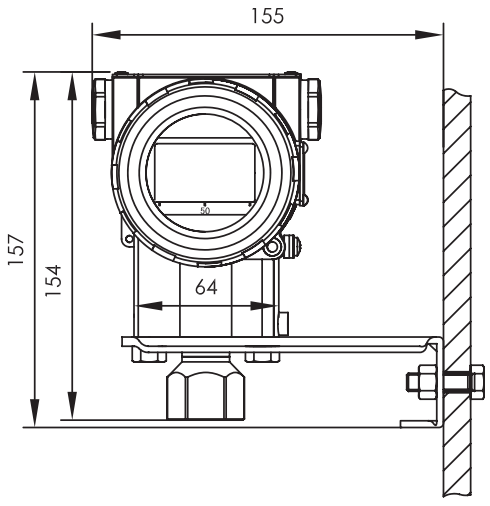
Technical Feature

Power supply
12÷42Vdc (2-wires)
Analog output resolution
15 bit
Communication protocol
HART
IP rating
IP67

Zero and span calibration
onboard buttons
Data display
backlit alphanumeric display
Accuracy
±0.075%

Stability
> ±0.1%FS
Working temperature
-40°÷+85°C
Certification
Atex





SPT HART pressure transmitter

IP67 - Working temperature range: -40 ÷ +85°C
Power supply: 12÷42Vdc (2-wire)
4÷20mA HART - Fully sealed welding

	Accuracy	
	H	± 0,075%
	Measure range	
	B	0 - 0,6kPa ÷ 6kPa (0 - 6 ÷ 60mbar) gauge p. / Max overload 0,2bar Range limits -6 ÷ +6kPa (-60 ÷ +60 mbar)
	C	0 - 2kPa ÷ 40kPa (0 - 20 ÷ 400mbar) gauge p. / Max overload 10bar Range limits -40 ÷ +40kPa (-400 ÷ +400mbar)
	D	0 - 2,5kPa ÷ 250kPa (0 - 25 ÷ 2500mbar) gauge p. / Max overload 40bar Range limits -100 ÷ +250kPa (-1000 ÷ +2500mbar)
	F	0 - 30kPa ÷ 3MPa (0 - 0,3 ÷ 30bar) gauge p. / Max overload 150b Range limits -0,1 ÷ +3MPa (-1 ÷ +30bar)
	G	0 - 0,1MPa ÷ 10MPa (0 - 1 ÷ 100bar) gauge p. / Max overload 200bar Range limits -0,1 ÷ +10MPa (-1 ÷ +100bar)
	H	0 - 0,21MPa ÷ 21MPa (0 - 2,1 ÷ 210bar) gauge p. / Max overload 500bar Range limits -0,1 ÷ + 21MPa (-1 ÷ +210bar)
	I	0 - 0,4MPa ÷ 40MPa (0 - 4 ÷ 400bar) gauge p. / Max overload 500bar Range limits -0,1 ÷ +40MPa (-1 ÷ +400bar)
	J	0 - 0,6MPa ÷ 60MPa (0 - 6 ÷ 600bar) gauge p. / Max overload 700bar Range limits -0,1 ÷ +60MPa (-1 ÷ +600bar)
	L	0 - 2kPa ÷ 40kPa (0 - 20 ÷ 400mbar) absolute p. / Max overload 10bar Range limits 0 ÷ 40kPa (0 ÷ 400mbar)
	M	0 - 2,5kPa ÷ 250kPa (0 - 25 ÷ 2500mbar) absolute p. / Max overload 40bar Range limits 0 ÷ 250kPa (0 ÷ 2500mbar)
	O	0 - 30kPa ÷ 3MPa (0 - 0,3 ÷ 30bar) absolute p. / Max overload 150bar Range limits 0 ÷ 3MPa (0 ÷ 30bar)
	Z	Special
	Housing / membrane / filling liquid	
	A	Aluminum / SS316L / silicone oil
	B	Aluminum / SS316L / fluorinated oil
	C	Aluminum / Hastelloy C / silicone oil
	D	Aluminum / Hastelloy C / fluorinated oil
	E	SS316L / SS316L / silicone oil
	F	SS316L / SS316L / fluorinated oil
	G	SS316L / Hastelloy C / silicone oil
	H	SS316L / Hastelloy C / fluorinated oil
	Process connection	
	1	½" NPT female SS316 thread
	2	½" NPT male SS316 thread (inner ¼" NPT female)
	3	M20 x 1,5 male SS316
	4	½" G male SS316 thread
	5	Vacuum connection ISO 2861 SS316 (max 2,5bar)
	6	¼" NPT male SS316 thread
	9	Special
	Special functions	
	N	None
	O	Degrease cleansing treatment (just with fluorinated oil)
	P	Anti-lightning
	Fixing bracket for panel and pipe mounting (2")	
	1	SS304
	2	Galvanized carbon steel
	N	None
	Display	
	2	Backlit LCD
	N	None
	Certification	
	A	Intrinsically safe ATEX II 1/2G Ex ia IIC T4 Ga/Gb
	D	Explosion proof ATEX II 2 G D Ex db IIC T4/T5/T6 Gb Ex tb IIIC T80°C/T90°C/T130°C - Ta = -40°C ÷ +60°C
	N	None