Smart Pressure Transmitter with Display
Model: SPT-ED-460

Introduction

SPT-ED-460 is a high accuracy and stability smart pressure transmitter. It adopts oil-filled sensor and ADI chip with microprocessor technology. SPT-ED-460 features field display, RS-485 or HART digital output, data process, zero & span adjustment, which is suitable for accurate fluid pressure measurement.

Main Specifications	Other Specifications
▼Pressure connection M20 x 1.5 G1/2″ 1/2″ NPT Material: SS304	▼Housing Copper-aluminum alloy
	▼Power supply 24VDC / 12VDC
▼Pressure range -100kPa...0~20kPa...100MPa	▼Output signal 4~20mA+RS485 (standard) 4~20mA+HART (option)
▼Pressure type Gauge pressure / Sealed gauge pressure / Absolute pressure	▼Screen display 4-digit LED display
	▼Measuring elements Pressure sensor & diaphragm Material: SS316L
▼Applicable fluid Gas and liquid that compatible with SS304	▼Zero & span temp. drift ±0.5% F.S. max. (@-20 to 85℃)
▼Operating temperature -20 to 85℃	▼Accuracy 0.5% F.S. (standard) / 0.3% F.S. (option)
▼Storage temperature -40 to 125℃	▼Stability ±0.2% F.S. / year
▼Anti-impact performance 100g (11ms)	▼Response time ≤1ms (increase to 90%F.S.)
▼Anti-vibration performance 20g (20-5000Hz)	▼Insulation resistance 100MΩ, 250VDC
▼Protection level IP 65	▼Compensated temperature -10 to 70℃ / -20 to 85℃ (option)
▼Approval CE certificate	▼Overpressure 1.5*F.S.
	▼Other requests (Option) Third party notarized documents Inspection report Tag Thread adaptor: to adopt the other kind of thread USB-RS485 Converter

Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

■ RS485 (standard) or HART digital output (option) ensure remote communication with computer

■ Support multiple remote control application

■ 4-digit LED screen, field reading display

■ High accuracy and sensitivity

■ No removable part ensures long service life

■ Wide pressure measurement range:
   -0.1···0~20kPa···100MPa

■ Anti-vibration & anti-impact design

Typical measurement range

Code	Range	Code	Range	Code	Range	Code	Range
1	-0.1~0Mpa	2	0~20kPa	3	0~35kPa	4	0~70kPa
5	0~100kPa	6	0~160kPa	7	0~250kPa	8	0~400kPa
9	0~600kPa	10	0~1MPa	11	0~1.6MPa	12	0~2.5MPa
13	0~6MPa	14	0~10MPa	15	0~16MPa	16	0~25Mpa
17	0~40MPa	18	0~60MPa	19	0~100MPa		

How to order

SPT-ED-460							Smart Pressure Transmitter with Display
	Code						Pressure connection
	4G						G1/2″
	M20						M20 x 1.5
	4N						1/2″ NPT
	O						Other (please specify)
		Code					Pressure measurement range
		10					Please refer to typical measurement range table and select the code
			Code				Pressure type
			G				Gauge pressure
			SG				Sealed gauge pressure
			A				Absolute pressure
				Code			Output signal
				R			4-20mA+RS485
				H			4-20mA+HART
					Code		Accuracy
					A		0.3%
					B		0.5%
						Code	Power supply
						24V	24VDC
						12V	12VDC
SPT-ED-460	4G	10	G	R	B	24	Order example: SPT-ED-460-4G-10-G-R-N-24