PRESSURE MEASUREMENT

Battery Operated Pressure Transmitter 171 BPT



INTRODUCTION

171 BPT is the battery powered pressure Transmitter is a device used to measure and transmit pressure readings in various applications. It is available in with and without display versions. These transmitters are powered by battery, typically lithium batteries. The battery provides the necessary power to operate the transmitter and transmit pressure readings which is capable of working 2-4 years continuously. Stainless steel housing is applied to 171 BPT to meet IP68-level sealing protection requirement. 171 BPT are designed to measure pressure in different units, such as Kg/cm2, bar or pascal. They utilize pressure sensors or transducers to convert the applied pressure into an electrical signal.

FEATURES

- Reliable Performance, Easy Application
- Alarm function available.
- Data logging & storage option is available.
- User friendly Interface

APPLICATION

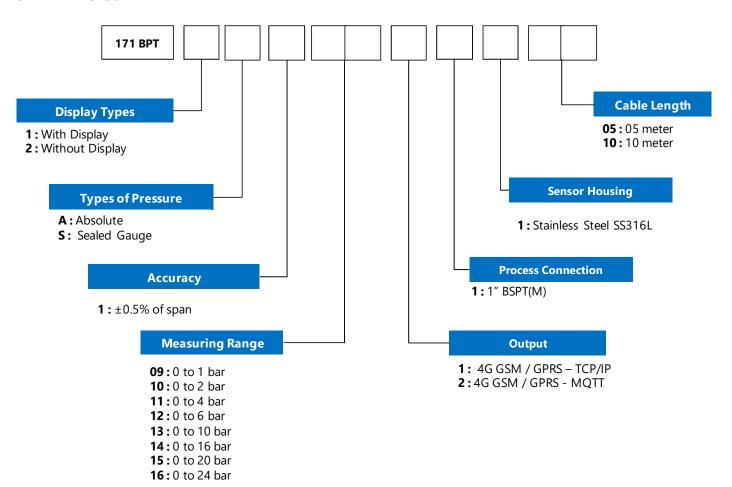
Battery operated pressure transmitters are commonly used in remote or portable applications where access to power sources is limited. They find applications in industries such as oil and gas, water and wastewater, HVAC, and process control.



With Display

Without Display

ORDERING CODE



SPECIFICATIONS

Sr.No.	Parameter Name	Parameter Description
1	Sensor Type	A) Absolute Type Sensor
		B) Sealed Gauge Type Sensor
2	Pressure range	1) 20
	_	2) 35
		3) 70
		4) 100
		5) 200
		6) 400
		7) 600
		8) 1000
		9) 2000
		10) 3500
		11) 7000
		12) 10000
		13) 25000
		14) 40000
		15) 60000
		16) 80000
		17) 90000
		18) 100000
3	Pressure Units	1) Kpa
		2) 10xKPa
		3) 100xKPa
		4) Mpa
		5) 10xMPa
		6) 100xMPa
		7) Bar
		8) Kg/cm2
		9) mmwc
	5. 1 1/4	10) mwc
4	Display Version	1) With Display
_		2) Without Display
5	Display Parameter	Pressure
6	Communication Output	4G GSM / GPRS
7	Protocols Supported	TCP/IP / UDP / MQTT
8	Data logging	Available
9	Accuracy	<±0.5 % of span
10	Pressure Response time	80mS
11	Connector Type	1) Five Pin Allied Connector (IP68) at Converter End
4.5		2) Four Pin Nylon Connector (IP68) at Sensor End
12	Transducer Output	10 mV / V at full scale
13	Process Connection	1" BSPT Male Threaded
14	Ingress Protection (Sensor)	IP68
15	Sensor Housing Material	Stainless Steel SS316L
16	Transmitter Housing Material	Aluminum
17	Process temperature range	0 to 50 °C
18	Cable Length	10 meter, 05 meter
19	Converter Mounting Arrangement	1) Wall Mounting
	1	2) Channel Mounting

LF-171-0804-R02 09/2024

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