PRESSURE TRANSMITTER WITH LCD DISPLAY

"Differential Pressure Transmitter for Low Pressure"

BFT10-111



- Diameter 10 barb structure pressure port, easy installation
- Measuring differential pressure of the tiny gas
- Strong seal and good aluminum alloy Housing
- Built-in LCD display
- With the protection of short circuit and reverse polarity
- The temperature of Zero and sensitivity can be compensated with full range
- Strong resistance to the interference and high stability

BFT10-111 Differential Pressure Transmitter is assembled by MEMS silicon piezoresistive differential pressure core, its housing is made of aluminum alloy and pressure interface is M10 thread plus barb, it can be directly installed on the measuring pipe or connected through the pressure pipe. This product is easy to install and use, widely used in boiler air supply, underground ventilation and other power and coal industries, it also can be used in Ultra-clean factory automation detection pressure progress control field

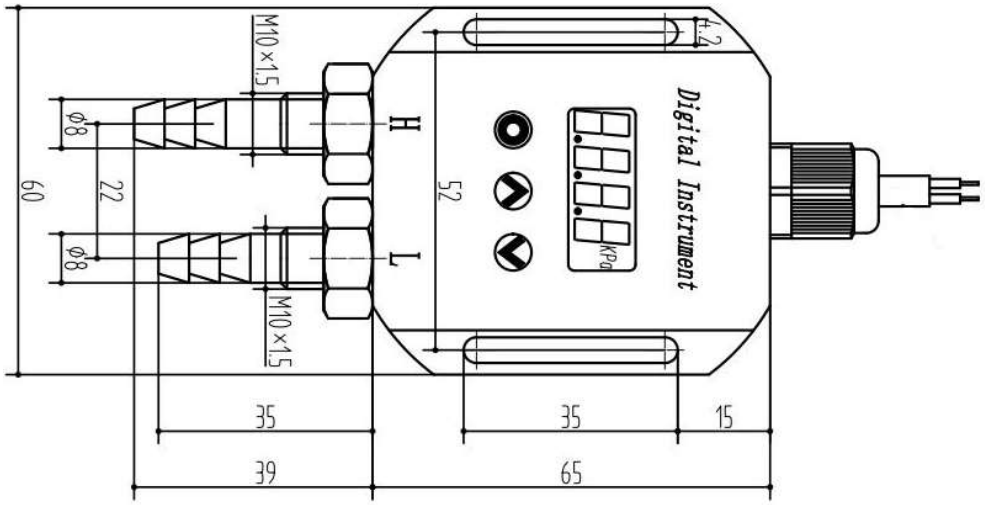
TECHNICAL FEATURES	
Pressure Range	0~0,005bar…0,01bar…1bar (minimum range is 0~0,002bar, to be customized)
Pressure reference	Differential pressure
Supply & output	4～20mA (12～30V)
Overall accuracy	0,005bar, 0.01bar: ±%1FS (@25±5°C)
	0.02bar, 1bar: ±%0,5FS (@25±5°C)
Response time	Refer to “Pressure range selection”
Insulation	100MΩ/250VDC
Operating temp.	-20°C ... +60°C
Medium temp.	-20°C ... +60°C
Storage temp.	-20°C ... +85°C
Mechanical vibration	20g (20～5000Hz)
Shock	100g (11ms)
Durability	10^6 cycles
Zero temp. coefficient	±%3FS (@0°C～50°C)
Sensitivity temp.coefficient	±%3FS (@0°C～50°C)
Long-term stability	±%0.2FS/year
Material	Aluminum alloy housing
Medium compatibility	All materials that can be compatible with aluminum alloy

PRESSURE RANGE SELECTION

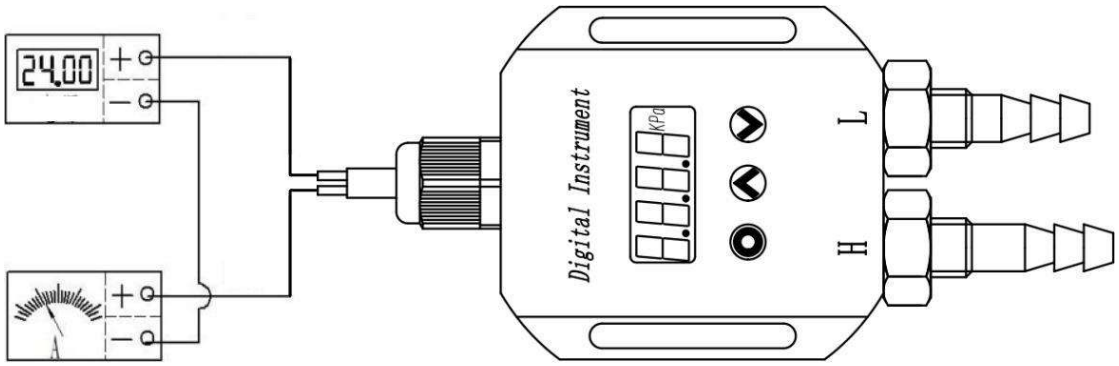
Code	Pressure Reference	Pressure Range	Over Pressure	Burst Pressure
500	G, A	0～1 Bar	%200FS	%500FS
1k	G, A	0～1,6 Bar	%200FS	%500FS
2k	G, A	0～2,5 Bar	%200FS	%500FS
5k	G, A	0～4 Bar	%200FS	%500FS
7k	G, A	0～6 Bar	%200FS	%500FS
10k	G, A	0～10 Bar	%200FS	%500FS
20k	G, A	0～16 Bar	%200FS	%500FS
35k	S	0～25 Bar	%200FS	%500FS
70k	S	0～40 Bar	%200FS	%300FS
100k	S	0～46 Bar	%200FS	%300FS

Not: G: Gauge Pressure, A: Absolute Pressure, S: Sealed Gauge Pressure

MECHANICCAL DIMENSIONS (mm)



CONNECTION



ORDER CODE

Model

BFT10-111 — **1k** — **B1**

Pressure Range

Different options from 0,005 bar to 1 bar (see pressure range selection table)

Output Signal

B1 : 4-20mA