

**BPT-100**  
**BAROMETRIC PRESSURE INDICATOR , TRANSMITTER**



## MAIN FEATURES

- *Barometric Pressure Transmitter , Range is 300 – 1100 mBarA*
- *0 – 10VDC , Output signal (typical) Could be changed to 3 wire 4 – 20 mA.*
- *Fully calibrated.*
- *Low power consumption*
- *Excellent long term stability*
- *Long life span > 3 years.*
- *High sensitivity, high resolution*
- *Excellent linear output*

## DESCRIPTION

**BPT-100** is an advanced Barometric Pressure transmitter strictly calibrated in the laboratory. The calibration coefficients are stored in the transmitter's microcontroller memory, which are used by the sensor's internal signal detecting process.

**BPT-100** measurement is based on piezo-resistive technology famous for EMC robustness, high accuracy and linearity as well as long term stability.

The 0-10VDC output signal (typical) makes system integration quick and easy (Could be changed to 3 wire 4 – 20 mA).

Its small size, low power consumption and up-to-20 meter signal transmission making it the best choice for various applications, including those most demanding ones. It is convenient to connect and special packages can be provided according to users' request.

## TECHNICAL DATA

### Ranges

300 ... 1100 mBarA

### Accuracy

+ - 3 mBarA

### Input Power

12 – 30 VDC .

### Output signal

0 – 10VDC (typical) makes system integration quick and easy (Could be changed to 3 wire 4 – 20 mA).

**Characteristic**

Linear

**Isolation voltage**

500 Vac

**Operating temp.**

-40-70°C

**Storage temp.**

-40-70°C

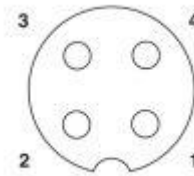
**Response time**

≤3ms(10% to 90%F.S.)

**ELECTRICAL CONNECTIONS****Connection**

M12 Connector

PIN 1	–	Power supply 12 - 30 VDC
PIN 2	–	Ground
PIN 3	–	Barometric Pressure 0-5VDC output signal
PIN 4	–	

**HOW TO ORDER****BPT-100 – AA – BB – CC - OPTIONS**

AA – PRESSURE RANGE , PLEASE WRITE DIRECTLY

300 – 1100 MBARA (TYPICAL)

BB – OUTPUT VOLTAGE

0 – 5 VDC

0 – 10 VDC (TYPICAL)

3 wire 4 – 20 mA.

OTHERS (PLEASE SPECIFY)

CC – SUPPLY VOLTAGE

12 VDC (TYPICAL)