



- Piezoresistive pressure sensor
- Rail mounting
- Long-term excellent work
- Air isolated mounting
- EMC and reverse polarity protection
- Analog 4 ... 20mA different output
- Different models from 100 milibar to 600 milibar

Applications

- Textile sector
- Fabric dyeing machines
- Pneumatic Systems
- Hydraulic Systems
- Machines Equipments
- Air Cooling – Heating Systems
- Water Technologies
- Automation Applications

ATEK PTB 110 series level transmitters, with piezoresistive working principle can be used in water, air, oil etc. applications. They need an air insulated mounting method.

The PTB 110 series, which is not affected by electrical fluctuations and reverse connections due to over voltage and reverse polarity protection, has a long life.

All models from 0...100mbar to 0...600mbar can be produced.

TECHNICAL SPECIFICATIONS

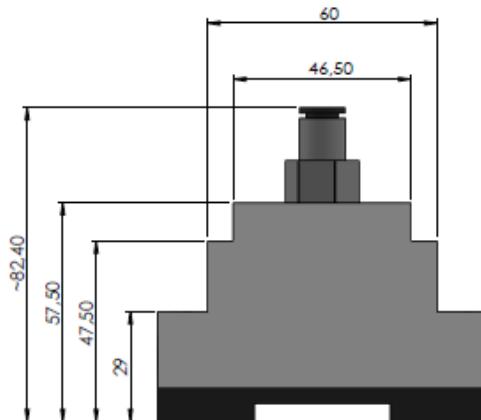
Measurement Range	Different models from 0...100mbar to 0...600mbar
Measurement Type	Ambient pressure measurement as relative Air, Water, Oil, Non-explosive gases
Media Isolation	Air
Working Principle	Piezoresistive
Maximum Compressive Strength	300% FS *Can be 3 or 5 times.
Output Signal	4...20mA (2-wire)
Load	4-20mA : 250Ω
Supply Voltage	4-20 mA : 8 ... 32 V _{DC}
Operating Current	Maximum 30mA
Mechanical Connection	Rail Mounting
Resolution	12 Bit
Accuracy	±0,5 FS @25°C ±1 FS @0...+70°C ±2 FS @-40...+85°C
Response Time	1ms %10...%90 nominal pressure
Protection Class	IP40
Operating Temperature	-40°C ... +85°C
Ambient Temperature	-40°C ... +85°C
Electrical Connections	Terminal

F.S : Full Scale (working pressure range)

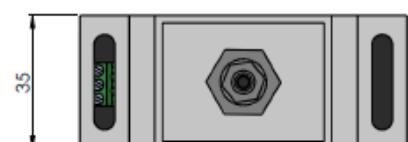
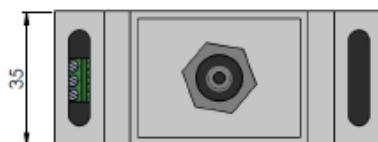
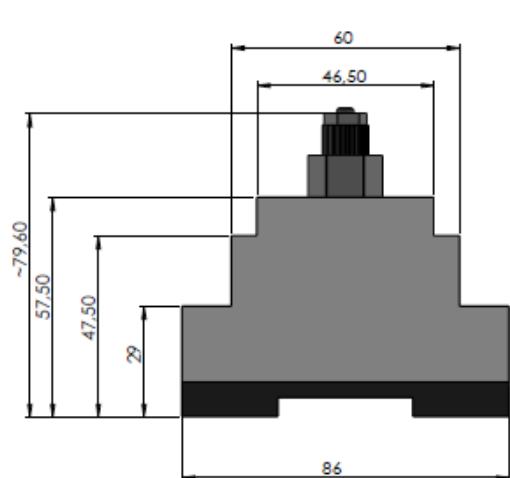
* Product life will be shortened when more pressure is given than working pressure
According to the product, it may be damaged at high pressure of 3-5 times.

MECHANICAL DIMENSIONS

JACK FITTING

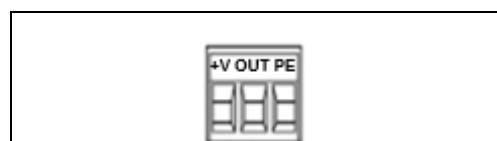


SEALED FITTING



ELECTRICAL CONNECTIONS

CURRENT OUTPUT	+V (Supply)	+8...32 VDC
	OUT	4...20 mA
	PE	Earth



ORDER CODING

Model

PTB 110

100mBar

A

E

6

K

Output Signal

A : 4-20mA (2-wire)

* Ask for other options.

Pipe Diameter

6: 6mm

*Ask for other options

Working Pressure Range

100mBar : 0...100mbar
200mBar : 0...200mbar
300mBar : 0...300mbar
400mBar : 0...400mbar
500mBar : 0...500mbar
600mBar : 0...600mbar

* Ask for other options.

Mechanical Connection

E: Sealed Fitting
J: Jack Fitting

* Ask for other options.

Electrical Connection

K: Terminal

Sample Code:

PTB 110 100mBar A E 6 K

Features : 0...100mbar working range, 4-20mA analog output (2-wire connection), sealed fitting, pipe diameter 6 mm, terminal

Atek Elektronik Sensör Teknolojileri Sanayi ve Ticaret A.Ş.

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