

- Range from ± 1 to $\pm 100\text{mmH}_2\text{O}$
- Auto-Zeroing Function
- Flush Mounting (Included 3-way valve)
- Brushed Stainless Steel Front Face
- 4 Digit LED Display
- mmH_2O , Pascal and Optional Inch. , Volume & Velocity (CMH, m/s)
- 2 visual Alarm (2 color LED)
- Optional Audible Alarm
- Easy calibration and maintenance
- 4–20mA(3/4 wire), 1–5V, 2–10V output
- Included Square Root Extractor(Option)



■ Description

IPT1500 differential pressure monitor have the auto-zeroing function & square-root ex-tractor, to guarantee an excellent long term stability, along with a great measurement accuracy.

Auto-zeroing functions are no calibration necessary for the life of the transmitter. The micro-processor device drives an electro-valve that compensates for any is made by regular automatic adjustment of the zero. True differential pressure measurement is then made regardless of the environmental conditions of the transmitter.

The spans range from ± 1.0 to $\pm 100\text{mmH}_2\text{O}$ factory units are calibrated.

IPT1500 differential pressure monitors are powered by a 24Vdc supply and. The Standards are 4 wire connection and optional 3 wire connection. The electronics provide linear 4–20mA current output or voltage output and tow relays output. The front made stainless steel with 4 digit LED display and two points of alarm lampes(A1, A2).

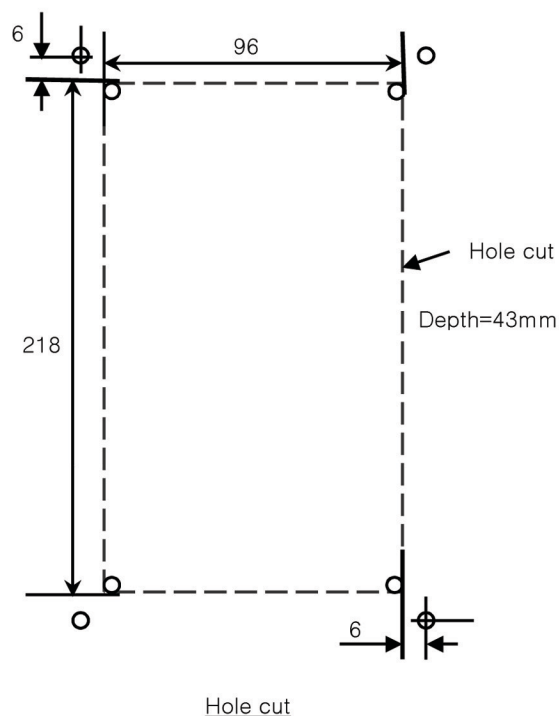
■ Application

- Room Static Pressure Monitoring
- Air Static Pressure Measurement
- Fan/Damper Operation Measurement
- Airflow measurement and Monitoring
- Duct Static Pressure Monitoring
- Filter Changing Controls
- ETC

■ Options/Accessories

- Two relay output
- Internal Audible Alarm (70dB)
- Selectable Pascal unit
- Static pressure elements
- Slide Fittings
- Pressure connections
- Connection Fittings
- Through Connections
- Clear Tube

■ Mounting



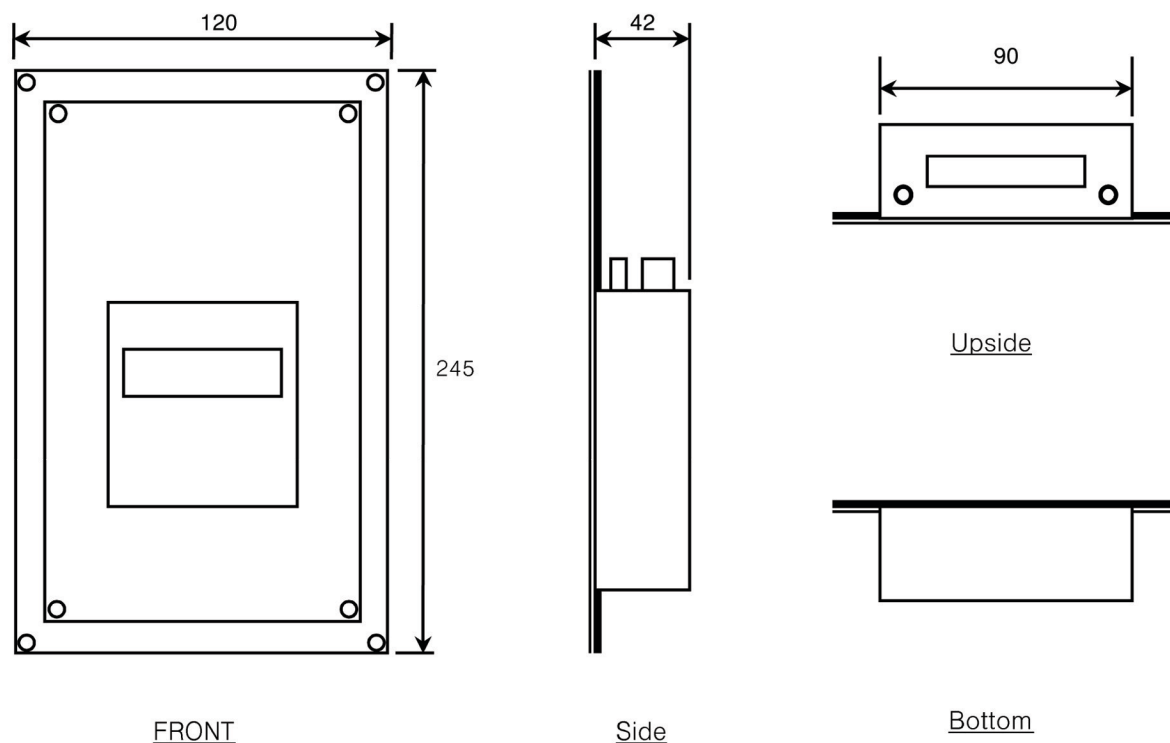
IPT1500 differential pressure monitors are fresh wall mount which included stainless steel box with sensing ports.

To install the transmitter on wall, make a cutting of 218 x 96mm in the wall. Then drill 4 holes around cutting as shown allow. Insert the transmitter into the wall.

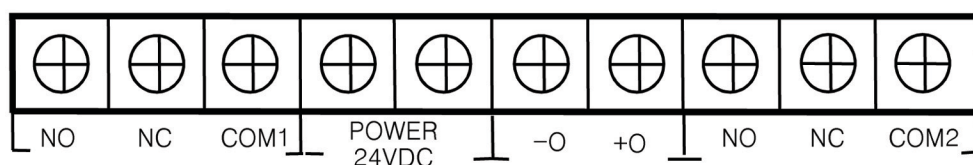
■ Specification

Input Power	24VDC (3-wire, 4-wire)	Display Visual alarm	4 digits LED display Dual color LED(A1,A2)
Output	4-20mA _{dc} A1/A2 Dual Relays	Operating Temp. Storage Temp.	0 °C to 50 °C -10 °C to 70 °C
Range	+/- 1.0 mmH ₂ O to 0 - 100 mmH ₂ O	Unit of Measurement	Pa, mmH ₂ O (Optional volume : cmh)
Accuracy Resolution	+/-0.5% FS of reading +/-0.01mmH ₂ O(0.1Pa)	Zero drift	None (Auto-Zeroing Function)
Over pressure	1 PSI	Life time of 3-way electro- valve	1 x 10 ¹² cycles
Measured Media	Dry air or non-conductive gases	Mounting Housing	Flash Wall Mounting Stainless Steel

■ Dimension(mm)



■ Wiring



■ Ordering Information

Model No.	Pressure Range	Output	Unit	Option
IPT1500 -	[B-5] -	[0] -	[M] -	[00] -
	A-3 (0 to 3 mmH2O)	0 (4-20 mADC)	M (mmH2O)	0 (No option)
	A-5 (0 to 5 mmH2O)	1 (1-5 VDC)	P (Pascal)	1 (Alarm1/2)
	A-10 (0 to 10 mmH2O)	2 (2-10 VDC)	V (m/s)	2 (Audible alarm)
	A-20 (0 to 20 mmH2O)			
	B-1 (+/- 1 mmH2O)			
	B-3 (+/- 3 mmH2O)			
	B-5 (+/- 5 mmH2O)			
	B-10 (+/- 10 mmH2O)			