

## DRAFT TRANSMITTER/GAUGE

### Principal Features :

- Digital Display (so No Confusion)
- Much Better Accuracy compared to Mechanical Gauges.
- Wide Range of Draft measurement possible.
- Typically,  $\pm 50$  mmwc to  $\pm 750$  mmwc.
- Transmitter being Field Mounted, Errors due to Long Impulse lines are avoided.

The Digital draft gauge 4475-PX accepts the draft pressure input as the signal and displays it in terms of mmwc. It also delivers 4 -20 mA output proportional to the Draft. The Draft transmitter is a field mounting unit and is a two wire system delivering 4 - 20mA output proportional to Draft Input.

The Transmitter can be mounted in the field thereby avoiding long lengths of impulse lines and also errors due to the lengths.

### \* Common Technical Specifications For Gauge and transmitter.

Input	: Draft Pressure
Input Range	: $\pm 50$ mmwc to $\pm 750$ mmwc.
Input Connection	: $\frac{1}{4}$ " BSP
Output	: 4- 20 mA proportional to Calibrated Range.
Accuracy	: $\pm 2.5\%$ of F.S.
Operating Ambient	: 0 to 50°C.
Temperature Drift	: $\pm 0.1\%$ of F.S.
Humidity	: 90% R.H. Non condensing.

### \* Technical Specifications for Draft Gauge.

Display	: $3\frac{1}{2}$ digit, 7 Segment, $\frac{1}{2}$ ", Red LED Display.
Power Supply	: 230 Vac/110 Vac, 50 Hz., Single Phase.
Output	: 4-20 mA in 600 Ohms max load.
Mounting	: Flush Panel.
Enclosure	: Powder coated, sheet steel as per DIN43700.
Dimensions	: Bezel : 144(H) x 72(W) Cutout : 138(H)x 68(W) Depth : 135

### \* Technical Specifications for Draft Transmitter.

Power supply	: 12 to 24 Vdc/30 mA, suitable for two wire system.
Output	: 4-20 mA.- in two wire system.
Load Resistance on Output	: 600 Ohms max. at 24Vdc Supply.
Enclosure	: Aluminum Extruded with black Anodizing.
Dimensions	: 200(H) x 25(W) x 54(D).
Mounting	: Wall Mounting.

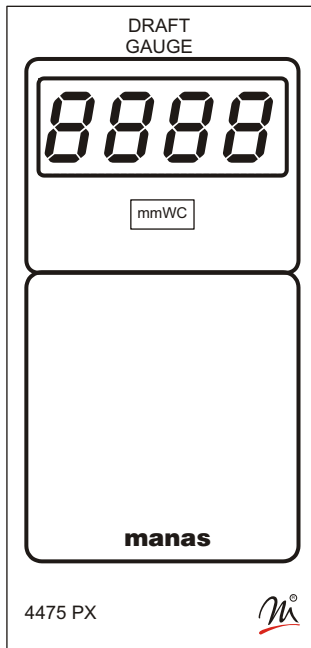


DRAFT GAUGE



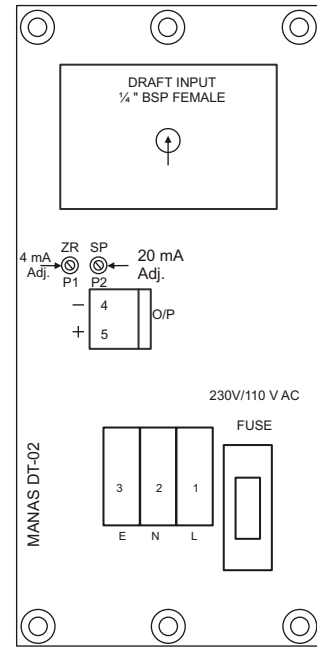
DRAFT TRANSMITTER

**Dimensional Details : Draft Gauge**



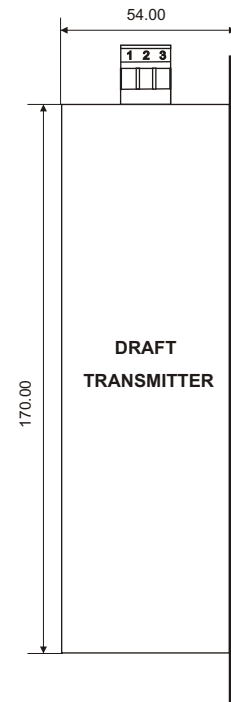
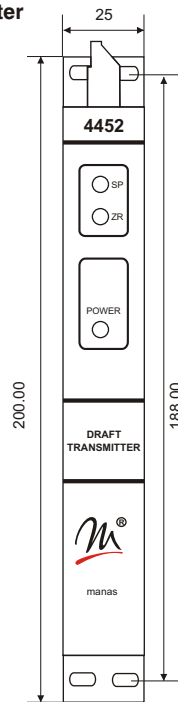
FRONT  
PANEL

FACIA - 72 mm(W) x 144 mm(H)  
 CUTOUT - 68 mm(W) x 138 mm(H)  
 DEPTH - 135 mm (Including Inlet Block)



REAR  
PANEL

**Dimensional Details : Draft Transmitter**



Dimensions in mm

\* Due to continuous development specifications are subject to change without prior notice.

**manas microsystems pvt. ltd.**

REGD. OFFICE : ROW HOUSE NO. 5, PARVATI PARK, DATTAWADI, PUNE 411 030  
 WORKS : EL 54 ELECTRONIC ZONE, M.I.D.C. BHOSARI, PUNE 411 026. (INDIA)  
 TEL. : 020-27127044, 27127047, 27127858 FAX : 020-27127045  
 E-MAIL : mktg@manasmicro.com, manasmicro@yahoo.com  
 WEBSITE : www.manasmicro.com, www.flowmeterindia.in



Catalog No. : Pc-DTG-01