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# DRAFT TRANSMITTER/ GAUGE



## Principal Features

- Digital Display (so No Confusion)
- Much Better Accuracy compared to Mechanical Gauges
- Wide Range of Draft measurement possible
- 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 Connection	: 1/4" BSP (F)
Output	: 4- 20 mA proportional to Calibrate Range
Operating Temperature	: 0 to 50°C
Humidity	: 90% R.H. Maximum, Non condensing

## Technical Specifications for Draft Gauge

Mounting	: Flush Panel
Enclosure	: Powder coated steel sheet as per DIN43700
Dimensions	: Bezel - 144mm (H) X 72mm (W) Cutout - 138mm (H) X 68mm (W) Depth including terminals - 135mm
Display	: 4 Digit 0.5", 7 Segment LED for draft indication, fault messages, also used during parameter programming

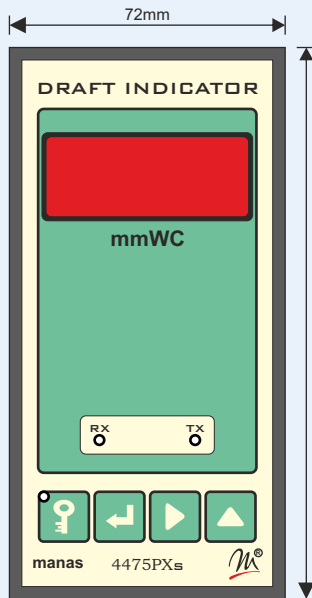
Output	: 4 – 20 mA dc in max. 600 load
Accuracy	: ± 1.5 % of Full Scale ± 1mmWC
Input Range	: ± 50 mmWC to ± 1000 mmWC
Power Supply	: 85V to 265V AC (Universal), Single Phase, 50Hz
Temperature Drift	: 0.15 % / °C maximum of Full Scale

## Technical Specifications for Draft Transmitter

Mounting	: Wall Mounting
Enclosure	: Aluminium Extruded Channel with Black Anodization
Dimensions	: 200 mm (H) x 25 mm (W) x 55 mm (D)
Display	: Blind
Accuracy	: ± 2.5 % of Full Scale
Output	: 4 – 20 mA dc – in two wire system Load Resistance
On output	: 600 Ohms max. at 24Vdc Supply
Input Range	: ± 50 mmWC to ± 750 mmWC.
Power Supply	: 12 to 24Vdc/30mA, suitable for two wire system

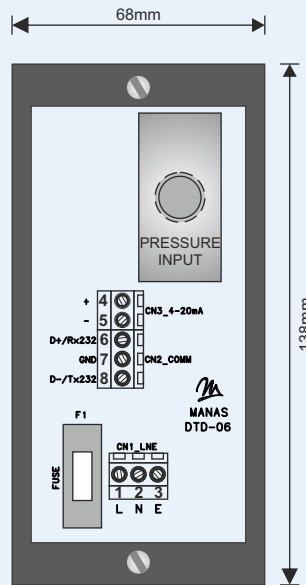
All dimensions are in mm

## Dimensional Details Draft Gauge



### Front View

Facia : 144mm X 72mm  
 Cutout : 138mm X 68mm  
 Depth : 135mm max.  
 (including terminals)



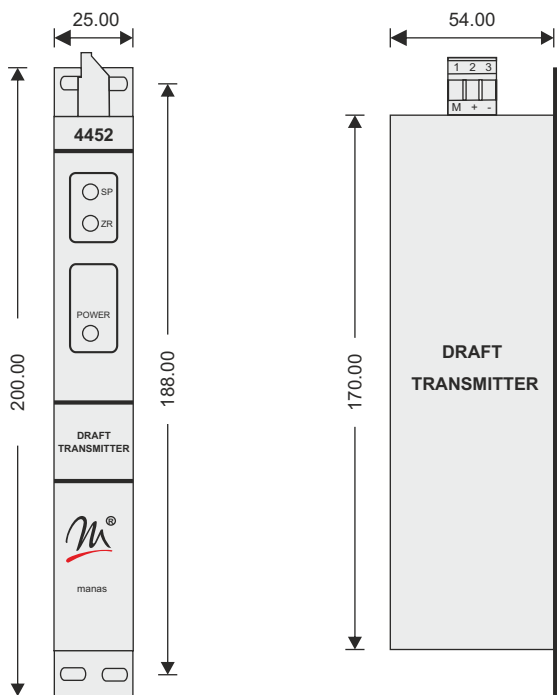
### Rear View

Input : Draft / Pressure input  
 Output : 4-20mA dc, Isolated in  
 max 600Ω,  
 Proportional to flow rate

Note: If Communication Applicable

Comport Terminal Details		
Terminal No.	For RS 485	For RS 232
6	D+	Rx232
7	GND	GND
8	D-	Tx232

## Draft Transmitter



### Terminal Details

- |   |   |             |
|---|---|-------------|
| 1 | M | To monitor  |
| 2 | + | 0/p current |
| 2 | + | 24V DC      |
| 3 | - |             |

Note: All dimensions are in mm.

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



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