

# Model PVT-1 – AIR VELOCITY TRANSMITTER



Para Air Velocity Transmitter Model PVT-1 is designed for measurement of air velocity in the duct for industrial applications. It measures air velocity in range of 0 – 20 meters / second. Model PVT-1 works on 24 V DC external supply and generates 4 to 20 mA output signal which is linearly proportional to air velocity of 0 to 20 meters / sec. in the duct. This current output can be transmitted through two wire signal cable to a distance upto 100 meters with maximum termination resistor of 250 ohms in the control panel, PLC or indicator unit for further processing.

Model PVT-1 sensor circuit is a robust, all solid state device working on Kings' law. Probe length suitable to the duct diameter can be supplied.

## Specifications

<b>Air Velocity Range</b>	: 0 to 20 meters/sec
<b>Output Range</b>	: 4 to 20 mA
<b>Accuracy</b>	: $\pm 5\%$ of Full Scale
<b>Power Supply</b>	: +24V DC @ 200 mA (To be supplied externally)
<b>Connector</b>	: 3 pin Amphenol type
<b>Probe Construction</b>	: Stainless Steel, 10 mm dia
<b>Probe Electronics</b>	: Aluminum housing, 95 mm dia x 70 mm long
<b>Probe Mounting</b>	: 3/4" BSP threads
<b>Probe Rod Length</b>	: Suitable to duct diameter and mounting arrangement. Dimensions to be specified by customer

\* Typical length for 200 mm dia duct

*Due to continuous R&D, specifications are likely to change without notice*

For further details contact :

**Electronic Enterprises (I) Pvt. Ltd.**  
**Para Electronics Manufacturing Division**

215/216, Regal Industrial Estate

A. Donde Marg, Sewri

Mumbai 400 015

Phone : 022-24137096 / 2413 4622

Fax : 022-24133341

Website : [www.paraelectronics.com](http://www.paraelectronics.com)

Email : [paraelectronicsmul@mtnl.net.in](mailto:paraelectronicsmul@mtnl.net.in)



### BRANCHES

**Mumbai**

022-25639904

**Kolkata**

033-25770551

**Hyderabad**

040-23243352

**Delhi**

011-27240436

**Bangalore**

80-23380451

**Kota**

0744-2501113