PHOENIX DYNAMOMETER
GET YOUR MOTOR RUNNING

PD487-25 Blow-by Meter/ Engine Dynamometer

The J-TEC in-line flow meters provide all the advantages of vortex shedding technology, in a design that is perfect for rugged applications with minimal space requirements. The VF563 Series is the best value for your low-pressure gaseous flow applications. This device is the meter of choice especially for the measurement of blow-by gases in engine testing applications. Other vortex flow meters lack crucial sensitivity because they can only detect vortices created by large, restrictive obstructions. This diminishes important low-end performance. The J-TEC design incorporates a small strut, which offers minimal flow restriction, for high accuracy over an extended range. Each meter is individually calibrated to NIST traceable standards. J-TEC flow meters have no moving parts, so they are rugged and trouble-free.

Specifications

2 year WARRANTY

ALL IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT **ENHANCEMENT**.

- **Quick and easy connection**
- **Includes interface cabling 10m [33ft]**
- **Measured:** Air or low pressure gas
- **Flow rate measured:** 0.24 to 1019 m3/hr [0.14 to 600 ACFM]
- **Operating temperature:** -18 to 93°C [0° to 200°F]
- **Operating pressure:** -0.34 to 2.1 bar [-5 to 30 psi]
- **Accuracy:** +/- 2% full scale (1% of reading with Flow Computer)
- **Repeatability:** +/- 0.5% of reading
- **Input power:** +12 to +24 VDC at 35 mA
- **Outputs:** 0 to 5 VDC, 0 to 3 VDC or Frequency
- **Construction:** Anodized aluminum
- **Ambient temperature limits:** -28 to 66°C [-20° to 150°F]
- **Pressure loss:** As low as 0.259 mbar [0.1 in] water column
- **Response Time Analog/Freq:** 300 ms /10 ms
- **Connector:** 5 pin



Line Size-in	19 mm [3/4 in]	25mm [1”]
Flow Range	1.1 - 43 m^3/hr [0.7 - 27 ACFM]	1.6 to 80 m^3/hr [1 to 50 ACFM]

... because excellence is a habit!