



Amber Instruments Ltd

VH563 Series Hand-Held Blow-By Flow Meter System

The VH563 Hand-Held Blow-By Flow Meter is a recent addition to the J-TEC engine test flow meter line. Designed for easy use in the field for engine testing, this system comes complete with a VF563 Series In-Line Flow Meter and a read-out unit with rechargeable battery. The read-out unit supplies power for the VF563 Flow Meter, as well as providing a visual read-out of the flow measured.

If the health of your on-site engine is important to you, the J-TEC VH563 Series Hand-Held Blow-By Flow Meter System is the answer for on-the-spot testing of piston ring blow-by and an early alert of engine wear problems.

FLOW METER SPECIFICATIONS

Measured: Air or low pressure gas
Flow rate measured: 0.14 ACFM to 80 ACFM
Operating temperature: 0° to 200°F (-18° to 93°C)
Operating pressure: -5 to 30 PSIG (-0.34 to 2.1 BARg)
Accuracy: +/- 2% full scale
Repeatability: +/- 0.5% of reading
Input power: Supplied by hand-held read-out
Construction: Anodized aluminum
Ambient temperature limits: -20° to 150°F (-28° to 66°C)
Pressure loss: As low as 0.1" water column (2.54 mm) at full flow
 Consult factory for actual pressure loss measurements
 Pressure loss varies with flow rate
Response time: 300 ms
Connector: 5 pin
Output: 0-5 volts only

READ-OUT SPECIFICATIONS

Display: Engineering units scaled in ACFM only
Batteries: Rechargeable NICAD Batteries with 10 hour continuous use
Recharging: Recharge in approximately 10 hours with the 110 VAC adapter provided
Enclosure dimensions: 2.5" W x 4.75" L x 1.4" D plastic
Digits: 3-1/2 digits read 1999 full scale, 1/2" (12.7 mm) high digits
Type: Liquid crystal display
Polarity: Automatic, (-) displayed
Zero adjustment: Preset at factory
Operating temperature: 0° to 50°C
Storage temperature: -20° to 70°C
Use with: J-TEC blow-by flow meters with a full scale output of 5 VDC only

FLOW RANGES				
Model	VH563AA	VH563A	VH563B	VH563C
Line Size In. (mm)	3/8 (9.5)	1/2 (12.7)	5/8 (15.9)	1-3/8 (34.9)
Range-ACFM	0.14 to 5	0.25 to 10	0.40 to 16	2 to 80



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Torque Transducers, Load Cells (general purpose, weighing & fatigue rated). Multi-Axis Force/Torque, Weighing Instruments, Process Instruments, Portable Data Loggers, Pressure Sensors, Proximity Sensors, Laser (Distance Measuring) Sensors, & more.