



## VH563 Series Hand-Held Blow-By Flow Meter System

The VH563 Hand-Held Blow-By Flow Meter is 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

<b>Measured:</b>	Air or low pressure gas
<b>Flow rate measured:</b>	0.14 ACFM to 80 ACFM
<b>Operating (GAS) temperature:</b>	0° to 200°F (-18° to 93°C)
<b>Operating pressure:</b>	-5 to 30 PSIG (-0.34 to 2.1 BARg)
<b>Accuracy:</b>	± 2% full scale
<b>Repeatability:</b>	± 0.5% of reading
<b>Input power:</b>	Supplied by hand-held read-out
<b>Construction:</b>	Anodized aluminum
<b>Ambient temperature limits:</b>	-20° to 150°F (-28° to 66°C)
<b>Pressure loss:</b>	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
<b>Response time:</b>	100 milliseconds
<b>Connector:</b>	5pin
<b>Output:</b>	0-5 volts only

### READ-OUT SPECIFICATIONS

<b>Display:</b>	Engineering units scaled in ACFM only
<b>Batteries:</b>	Rechargeable NICAD Batteries with 10 hour continuous use
<b>Recharging:</b>	Recharge in approximately 10 hours with the 110 VAC adapter provided
<b>Enclosure dimensions:</b>	2.5" W x 4.75" L x 1.4" D plastic
<b>Digits:</b>	3-1/2 digits read 1999 full scale, 1/2" (12.7 mm) high digits
<b>Type:</b>	Liquid crystal display
<b>Polarity:</b>	Automatic, (-) displayed
<b>Zero adjustment:</b>	Preset at factory
<b>Operating temperature:</b>	32° to 122°F (0° to 50°C)
<b>Storage temperature:</b>	-4° to 158° F (-20° to 70°C)
<b>Use with:</b>	J-TEC blow-by flow meters with a full scale output of 5 VDC only

### FLOW RANGES

Model	VH563AA	VH563A	VH563B	VH563C	VH563J	VH563K
<b>Line Size In. (mm)</b>	3/8 (9.5)	1/2 (12.7)	5/8 (15.9)	1-3/8 (34.9)	3/4 (19.05)	1 (25.4)
<b>Range-ACFM</b>	0.14 to 5	0.25 to 10	0.40 to 16	2 to 80	0.7 TO 27	1 TO 50