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Model: AVFM-II		<p>TYPE: Area-Velocity Flow Meter</p> <p>Display, Transmit and Totalize Open Channel Flow in Pipes and Channels</p>
PRODUCT SPECIFICATION		
Channel types		Round pipe, Rectangular, trapezoid or egg-shaped
Electronics Enclosure		Watertight and dust tight NEMA4X (IP 66) polycarbonate with clear, shatterproof cover
Accuracy		Level: +/-0.25% of range. Velocity: +/-2% of reading. Repeatability and Linearity: +/-0.1%
Displays		Numeric values: Large 4 digit LCD; Menu/status/totaliser: 16 digit alphanumeric
Programming		3-button keypad with menu selection. Calibration parameters are Password protected
Power Input		100-130VAC 50/60hz, 8.5 Watts maximum
Outputs		3 isolated 4-20mA, 1000 ohm, (Flow, Level and Velocity)
Control Relays		2 Relays, form 'C' dry contacts rated 5 amp SPDT; programmable for flow proportional
		Pulse (sampler/totaliser), flow and/or level alarm
Electrical Surge Protection		Sensor, 4-20mA outputs and AC Power inpt
Operating Temp. (electronics)		-5° to 140°F (-20° to 60°)
Approximate Shipping Weight		10 lbs. (4.5kg)
QZ02L Sensor		
Velocity Measurement Range		0.1 to 20 ft/sec (0.03 to 6.2 m/sec)
Level Measurement Range		Minimum Head: 1 in (25.4mm). Maximum Head: 15ft. (4.57 m)
Operating Temperature		5 to 150°F (-15 to 65°C)
Exposed Materials		PVC, epoxy resin, polyurethane
Sensor Cable		25ft. (7.6 m) submersible polyurethane jacket, shielded, 3-coaxial
Sensor Mounting		Includes MB-QZ stainless steel mounting bracket
Temperature Compensation		Automatic, continuous
OPTIONS		
Data-logging		Programmable 50,000 point data capacity, time and date stamped or formatted flow
		Reports including Total, Average, Minimum, Maximum and Times of occurrence. includes
		RS-232 output, serial cable and Windows software
Sensor Cable		50ft. (15m) or 100ft. (30m) submersible, continuous from sensor – splice up to total
		Of 500ft (150m) length
Sensor Cable Junction Box		Watertight NEMA4 steel with connection terminal strip
Power Input		200-250VAC 50/60Hz; or 9-36VDC (2.9 W min., 6.2 W max.)
Analog Outputs		Factory-configured for three 0-5VDC outputs
Enclosure Heater		Thermostatically controlled – recommended for temperatures below 32°(0°C)
Intrinsic Safety Barriers		For sensor mounting in class I,II,III, Div. I,II, groups C,D,E,F,G hazardous locations
Sensors		Separate non-contacting ultrasonic level sensor and submerged velocity sensor
Sensor Mounting Bands		Stainless steel sensor mountings for pipes 6” to 72” (150 to 1800mm) diameter

<p>Model: Stingray</p> 	<p>TYPE: Portable Level-Velocity Flow Meter</p> <p>Logs Level and Velocity for Flow Studies and includes powerful Windows software for Flow analysis and reporting</p> <p>Portable and Battery Powered</p>
<p>PRODUCT SPECIFICATION</p>	
<p>✚ Electronics Enclosure</p>	<p>Watertight and dust tight NEMA4X (IP 66) polycarbonate with clear, shatterproof cover</p>
<p>✚ Accuracy</p>	<p>Level: +/-0.25% of range. Velocity: +/-2% of reading. Repeatability and Linearity: +/-0.1%</p>
<p>✚ Display</p>	<p>Numeric values: Large 4 digit LCD; Menu/status/totaliser: 16 digit alphanumeric</p>
<p>✚ Operating Temp. (electronics)</p>	<p>-5° to 140°F (-20° to 60°)</p>
<p>✚ Instrument Set-up</p>	<p>Via Greyline Logger software for windows: Logging Time Interval, site name</p>
<p>✚ Logger Interval</p>	<p>10 sec (15 days), 30 sec (45 days), 1 min (3 months), 2 min (6 months), 5 min (1 year)</p>
<p>✚</p>	<p>10 min (2 years), 20 min (4 years)</p>
<p>✚ Data Logger Capacity</p>	<p>130,000 data points</p>
<p>✚ Power</p>	<p>4 Alkaline 'D' cells</p>
<p>✚ Communications</p>	<p>RS232, 28,000 Baud</p>
<p>✚ RS232 Cable</p>	<p>20ft (6m) shielded with DB9 M/F connectors</p>
<p>✚ Software</p>	<p>Greyline logger for Windows. Supports real-time monitoring, log file download and</p>
<p>✚</p>	<p>Export, graph and data table presentation, level/velocity to flow conversion</p>
<p>✚ Approximate Shipping Weight</p>	<p>10 lbs. (4.5kg)</p>
<p>✚ QZ02 SENSOR</p>	
<p>✚ Velocity Measurement Range</p>	<p>0.1 to 20 ft/sec (0.03 to 6.2 m/sec)</p>
<p>✚ Level Measurement Range</p>	<p>Minimum Head: 1 in (25.4mm). Maximum Head: 15ft. (4.57 m)</p>
<p>✚ Operating Temperature</p>	<p>5 to 150°F (-15 to 65°C)</p>
<p>✚ Exposed Materials</p>	<p>PVC, epoxy resin, polyurethane</p>
<p>✚ Sensor Cable</p>	<p>25ft. (7.6 m) submersible polyurethane jacket, shielded, 3-coaxial</p>
<p>✚ Sensor Mounting</p>	<p>Includes MB-QZ stainless steel mounting bracket</p>
<p>✚ Temperature Compensation</p>	<p>Automatic, continuous</p>
<p>✚ OPTIONS</p>	
<p>✚ Sensor Cable Extension</p>	<p>50ft. (15m) submersible, polyurethane jacket with watertight connectors</p>
<p>✚ Sensor Mounting Bands</p>	<p>Stainless steel sensor mountings for pipes 6" to 72" (150 to 1800mm) diameter</p>

Model: PDFM4		<p>TYPE: Portable Doppler Flow Meter</p> <p>Displays, Datalogs, Transmits and Totalizes flow in closed pipes Simple 3-Key calibration, 50,000 point Data Logger, 4-20mA Output, 10-digit Totalizer, AC/DC Operation and Built-in Rechargeable Battery.</p> <p>Portable and Battery Powered</p>
PRODUCT SPECIFICATION		
✚ Electronics Enclosure		Portable aluminium case in rugged, foam lined Cordura carrying case
✚ Flow Rate Range		0.25 to 40ft/sec (0.08 to 12.2m/sec)
✚ Pipe Size		Ultrasonic Sensor mounts on any pipe from ½" to 180" ID (12.5mm to 4.5mm)
✚ Accuracy		+/-2% of full scale, requires solids or bubbles minimum size of 100 microns, minimum
✚		Concentration 75 ppm. Repeatability: +/-0.1%, linearity: 0.5%
✚ Display		Numeric values: Large 4 digit LCD; Menu/status/totaliser: 16 digit alphanumeric
✚ Operating Temp. (electronics)		-5° to 140°F (-20° to 60°)
✚ Outputs		4-20mA (500 ohm) with programmable offsets
✚		RS232 for data Log transfer by direct PC connection or dial-up through phone lines and
✚		Modems. Selectable baud rate from 1200 to 19,200
✚ Datalogger		Programmable 50,000 data point capacity. Time and date stamped or formatted flow
✚		Reports including total, average, minimum, maximum and times of occurrence
✚ PC Software		'Greyline Logger' for Windows 98 or higher. Retrieves, displays and saves data log files
✚ Power Inputs		Built-in battery 3amp hour 12VDC) with internal charger
✚		Switch selectable 100-160VAC 50/60Hz or 200-260VAC 50/60Hz
✚		Battery or power supply
✚ Software		Greyline logger for Windows. Supports real-time monitoring, log file download and
✚ Calibration		Built-in 3-key programming with user-friendly calibration menu. Password protected
✚ Sensitivity		Adjustable, Damping: adjustable
SENSOR SPECIFICATION		
✚ Standard Model PSE5		Strap-on, single-head ultrasonic for pipes from ½" to 180" ID (12.5mm to 4.5mm) with
✚		12ft (3.4m) shielded dual-coaxial cable
✚ Sensor Mounting kit		Stainless steel pipe clamp and 5.3oz (150g) silicone coupling compound
✚ Operating Temperature		-40° to 200°F (-40° to 93°)
OPTIONS		
✚ High Temperature Sensor		PSE5H rated from -40° to 302°F (-40° to 150°)
✚ Sensor Cable Extension		50ft. (15m) sensor cable extension, shielded, with connectors
✚ Sensor Mounting		Extra silicone coupling compound. Additional stainless steel pipe clamps

Model: DFM-5		TYPE: Doppler Flow Meter Displays, Transmits, Totalizes and Controls User-Friendly Calibration, Password Protected, Isolated 4-20mA Output, 2 Control Relays, Digital Signal Processing Optional Intrinsic Safety Optional DataLogger with USB Thumb drive Support
PRODUCT SPECIFICATION		
 Electronics Enclosure		Watertight, dusttight NEMAX (IP66) fibreglass with clear shatterproof face
 Flow Rate Range		0.25 to 40ft/sec (0.08 to 12.2m/sec)
 Pipe Size		Ultrasonic Sensor mounts on any pipe from ½" to 180" ID (12.5mm to 4.5mm)
 Accuracy		+/-2% of full scale, requires solids or bubbles minimum size of 100 microns, minimum
 Display		Concentration 75 ppm. Repeatability: +/-0.1%, linearity: 0.5%
 Operating Temp. (electronics)		-5° to 140°F (-20° to 60°)
 Outputs		4-20mA (1000 ohm) with programmable offsets
 Control relays		Qty 2, rated 5 amp SPDT, programmable flow alarm and proportional pulse
 Power Inputs		100-240VAC 50/60Hz (see Options), 3 watts maximum (with standard features)
 Sensitivity		Adjustable. Damping: adjustable
 Calibration		Built-in 5-key calibrator with English, French or Spanish language selection
 Shipping Weight		14lbs (6.3kg)
 SENSOR SPECIFICATION		
 Standard Model SE4		Strap-on, single-head ultrasonic for pipes from ½" to 180" ID (12.5mm to 4.5mm) with
 Sensor Mounting kit		12ft (3.4m) shielded dual-coaxial cable
 Operating Temperature		Stainless steel pipe clamp and 5.3oz (150g) silicone coupling compound
 OPTIONS		
 Sensors		Intrinsic safety Barriers for sensor mounting in hazardous locations, SE3H High
 Sensor cable		Temperature model rated up to 302°F (150°C), ISE Insertion type for special applications
 Enclosure heater		50ft. (15m) or 100ft. (30m) continuous shielded coaxial pair. Or spliced up to
 datalogger		500ft (152m) with junction box. Self tunes to extended cable
 Power Input		For outdoor installation, 16 watt thermostatically controlled to -40°F (-40°C)
 Control relays		Built-in 2 million point logger with USB output and Windows software
 Control relays		9-32VDC
 Control relays		4 additional (6 totals) rated 5 ampere SPDT

Sole Distributor in India:

HINDUSTAN WATER ENGINEERING COMPANY

HWE Bhavan, 47, INDUSTRIAL AREA, MANDSAUR (M.P.) INDIA Pin-458 001

Ph: 07422 256133 Fax: 07422 232342

Email: info@hweindia.com, hweindia@yahoo.co.in Website: www.hweindia.com