Turbine Flow Meters for Hydraulic Applications

Flo-tech Portable Hydraulic Testers
Flo-tech’s compact, self-contained portable hydraulic testers provide fast diagnostic troubleshooting of all types of mobile or stationary hydraulic systems. Models available include the versatile PFM6, the PFM6BD for bi-directional applications and the all digital PFM8 which includes a dynamometer.
- Flow ranges from 1-15 to 7-199.9 GPM (4-56 to 26-757 LPM)
- Port sizes from SAE 12 to SAE 24 (G 3/4 to G 1 1/2)
- Accuracy of ±1% of full scale (forward flow)
- Temperatures to 300 °F (150 °C)
- Pressures up to 6000 psi (414 bar)

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  SAE 20 to SAE 24, Code 61; and SAE 20 to SAE 32, Code 62
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Flo-tech Digital Displays/Signal Processors
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- Displays rate (F6700/F6750 also displays total)
- AC and DC powered versions
- Built-in sensor or transmitter power supply
- Optional plug-in cards for analog output, digital communications and setpoint alarms
- CE compliant
The Flow-Alert flow switches provide both visual flow indication and the capability to signal alarms, open or close circuits, trigger warning lights and buzzers, and shut down pumps or other equipment. Micro switch (latching) or reed switch (proximity) models available. Choice of one or two switches per meter. Available in meter sizes from 1/4" to 1-1/2". Accuracy of ±2% of full scale.

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MR Flow Transmitters
The MR flow transmitters feature non-contact sensor electronics and are designed to operate as part of a totally integrated electronic process control/data acquisition system. Digital flow rate and total flow indication. In-field compensation for application specific fluid parameters eliminates the need for custom scales. Provides 4-20 mA, 0-10 Vdc or 0-5 Vdc analog output. CE compliant.

EZ-View® In-line Flow Meters
The EZ-View product line is a reliable, trouble-free flow rate indicator for low pressure applications. Constructed of high-impact polysulfone plastic, these meters provide a low cost, rugged flow measurement solution for both liquid and air/gas applications. End fittings in brass, 303 stainless/ custom scales. Available in sizes from 1/2" to 2". Temperatures to 250 °F (121 °C). Pressures up to 325 psi (22.4 bar) for liquids and 125 psi (8.6 bar) for air. Accuracy of ±5% of full scale. Flow-Alert models available.

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Basic In-line Flow Meters
Hedland offers a complete line of over 15,000 variable area flow meters to measure oil, phosphate esters, water and water-based fluids, as well as air and other compressed gases. In addition to the basic in-line model, these variable area flow meters are available in high temperature models and test kits with pressure gauge. Rugged, durable construction featuring aluminum, brass and stainless steel bodies. Most models available in sizes from 1/4" to 3". Accuracy of ±2% of full scale. Temperatures to 240 °F (116 °C), 400 °F (204 °C) for high-temperature models. Pressures up to 6000 psi (414 bar). Operates in any position. No flow straighteners or special piping required. 360° rotatable scales. Custom scales available.

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Variable Area Flow Meters

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Additional Technologies

HTTP Portable Transit Time Ultrasonic Flow Meters
Hedland’s HTTP Series is a portable flow meter utilizing transit time ultrasonic technology. Featuring non-invasive, clamp-on transducers, these meters are designed for long- or short-term flow measurement surveys on full pipe liquid systems for pipe sizes 1/2” and higher.
- Non-invasive meter clamps onto the outside of piping
- Easy, low cost installation
- No moving parts for maintenance free operation
- Pipe sizes from 1/2 inch and higher
- Bi-directional flow capability to measure forward total, reverse total and net total
- Optional, removable 200,000-event Data Logger
- Software utility allows configuration, calibration and troubleshooting via a wireless, infrared serial adapter
- Includes all required accessories in a compartmentalized, padded carrying case

HTTF Transit Time Ultrasonic Flow Meters
The HTTF Series utilizes a non-intrusive, clamp-on design for liquid measurement in pipe sizes from 1/2” to 100”. Compact, integral models are available for pipe sizes from 1/2” to 2”. Remote mount models provide flow measurement for the full range of pipe sizes.
- Easy, low cost installation
- Offered with or without a local display
- Provides rate and total (forward, reverse and net) 4-20 mA and pulse outputs for direct interface to data collection systems
- Designed for maintenance free operation
- Software utility allows in-field calibration and configuration
- Class I, Division 2 hazardous area certification

HB Turbine Flow Meters
Designed to withstand the demands of the most rigorous flow measurement applications of water and other liquids, the HB Series turbine flow meters feature rugged stainless steel and tungsten carbide construction. For a complete system, the HB2800 flow monitor provides a local indication of both flow rate and total flow. To integrate with other instruments, PLCs and computers, Hedland also offers additional electronic accessories.
- Flow ranges from 0.6-3 to 500-5,000 GPM (2.27-11.36 to 1893-18,927 LPM)
- NPT, BSP, Victaulic®, or flange end connections from 1/2” to 10”
- Accuracy of ±1% of reading
- Temperatures to 350 °F (177 °C)
- Pressures up to 5000 psi (345 bar)
- CE compliant
- CSA Class I, Division 1, (intrinsically safe) certification
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