

# ENERAC'S Model # FLM409 Flowmeter

Accurate liquid flow measurement from outside of a pipe (3/4" - 24")



- ✓ High accuracy.  $\pm 1\%$
- ✓ Easy to Use
- ✓ Non-Intrusive & Safe
- ✓ Wide pipe size range (3/4"~24")
- ✓ Suitable for most pipe materials
- ✓ Wide flow range (0.03~85ft/s), bi-directional
- ✓ Low maintenance
- ✓ Ideal for clear and opaque fluids
- ✓ Temperatures up to 180F degrees



## What you DON'T know CAN hurt you. What you DO know can SAVE you!

The accurate knowledge of liquid flow is the critical component of service and safety in a myriad of commercial and industrial environments. The Enerac Model FLM409 Handheld portable ultrasonic Flowmeter provides abundant capabilities for accurate liquid flow measurement. The utilization of ultrasound transmission / receiving, transit-time measurement and ultrasonic signal processing technologies allows our Flowmeter to measure liquid flow rate from outside of a pipe reliably and accurately. The handheld portable clamp-on Flowmeter is carefully designed so that its user-interfaces are self-explanatory and the instrument is very easy to operate. Some applications include:

- HVAC hydronic balancing / testing
- Beverage and food processing
- Well drilling and flow testing
- Pump servicing
- Irrigation and water conservation management
- Sewer treatment
- Chemical treatment of water lines
- Flow balance and flow surveys
- Commercial hot water heating systems



<b>Linearity</b>	<b>0.5%</b>
<b>Repeatability</b>	<b>0.2%</b>
<b>Accuracy</b>	<b>±1% of reading at rates&gt;0.2 mps</b>
<b>Response Time</b>	<b>0-999 seconds, user-configurable</b>
<b>Velocity</b>	<b>±32 m/s</b>
<b>Pipe Size</b>	<b>20mm-6000mm</b>
<b>Rate Units</b>	<b>Meter, Feet, Cubic Meter, Liter, Cubic Feet, USA Gallon, Imperial Gallon, Oil Barrel, USA Liquid Barrel, Imperial Liquid Barrel, Million USA Gallons. User configurable.</b>
<b>Totalizer</b>	<b>7-digit totals for net, positive and negative flow respectively</b>
<b>Liquid Types</b>	<b>Virtually all liquids</b>
<b>Security</b>	<b>Setup values Modification Lockout. Access code needs unlocking</b>
<b>Display</b>	<b>4x8 Chinese characters or 4x16 English letters</b>
<b>Communication Interface</b>	<b>RS-232C, baud-rate: from 75 to 57600. Protocol made by the manufacturer and compatible with that of the FUJI ultrasonic flow meter. User protocols can be made on inquiry.</b>
<b>Transducers</b>	<b>Model M1 for standard, other 3 models for optional</b>
<b>Transducer Cord Length</b>	<b>Standard 2x10 meters, optional 2x 500 meters</b>
<b>Power Supply</b>	<b>3 AAA Ni-H built-in batteries. When fully recharged it will last over 10 hours of operation.100V-240VAC for the charger</b>
<b>Data Logger</b>	<b>Built-in data logger can store over 2000 lines of data</b>
<b>Manual Totalizer</b>	<b>7-digit press-key-to-go for totalizer calibration</b>
<b>Housing Material</b>	<b>ABS</b>
<b>Case Size</b>	<b>100x66x20mm</b>
<b>Handset Weight</b>	<b>514g (1.2 lbs) with batteries</b>

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