The Series LOFM Low-Flow Magmeter is a liquid electromagnetic flow sensor that uses the conductivity of fluids to measure flow. Liquid flow through its magnetic field produces a voltage which is measured and translated into a pulse output signal. The LOFM can be combined with the Series RTI for flow rate and total display. This meter comes with a variety of factory-installed adapters and O-rings. The LOFM comes in either 3/4” or 3/8” pipe.

The Series LOFM can accurately measure flow rates as low as 0.03 gallons per minute. The meter is housed in a splash proof HDPE plastic, making it good for chemical injection applications. With no metal parts, the LOFM is corrosion-resistant and compatible with a wide range of chemicals. With no moving parts, the meter can handle dirty water applications where moving parts might cause jamming or clogging. The LOFM comes standard with Flaretek® fittings, but NPT adapters are available.

**Features**
- Low Cut Off Flow Rate
- No Metal Parts
- No Moving Parts
- No Straight Pipe Requirements

### Specifications
**Service:** Compatible clean or dirty non-coating, conductive liquids.

**Range:**
- LOFM-1: 0.2 to 20 GPM (0.01 to 1.3 l/s); LOFM-2: 0.03 to 3 GPM (0.002 to 0.2 l/s).

**Wetted Materials:**
- Body: PVDF; Electrodes: PVDF carbon-fiber filled; Ground: PVDF carbon-fiber filled; Adapters: PVC or PVDF; O-rings: EPDM or Fluoroelastomer (for NPT fitting only).

**Accuracy:**
- LOFM-1: +1% of reading, +0.005 GPM; LOFM-2: +1% of reading, +0.002 GPM.

**Temperature Limits:**
- Process: 32 to 200°F (0 to 93°C); Ambient: 0 to 130°F (-18 to 54°C).

**Pressure Limit:** 150 psi (10.3 bar).

**Process Connections:** Flaretek® fittings standard in 3/4˝ or 3/8˝ flowbody (NPT threaded adapters also available).

**Output:**
- Current sinking, square wave pulse, opto-isolated, 30 VDC @ 5 mA max. and 4 to 20 mA:
  - LOFM-1: 1692 pulses/gal (500 pulses/L);
  - LOFM-2: 3785 pulses/gal (1000 pulses/L).

**Power Requirements:** 10 to 15 VDC, 150 mA (linear power supply recommended).

**Conductivity:** > 20 microSiemens.

**Enclosure Material:** HDPE with glass fiber.

**Enclosure Rating:** NEMA 4X (IP66).

**Weight:** 2.20 lb (1.00 kg).

### Flaretek® Tubing Nut (Only required with Flaretek® fittings)
- TLN 2TN 000
  - 3/4” Flaretek® Tubing Nut (LOFM-1 only)
  - 3/8” Flaretek® Tubing Nut (LOFM-2 only)

### Flare Tool (Only required with Flaretek® fittings)
- 1FT 2FT 000
  - Flaretek®, Flare Tool, 3/8” Fitting (LOFM-1 only)
  - Flaretek®, Flare Tool, 3/8” Fitting (LOFM-2 only)

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*The prices for the NPT adapters and O-rings are for the two required.

① Items are subject to Schedule B discounts.

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