



# Product Digest

## this month's topic **Measurement Equipment**

### Flowmeters Offer Continuous Liquid Flow Monitoring

IC-LPM Series liquid paddlewheel flowmeters provide accurate monitoring over the flow range of 0.5–1,200 L/min with standard sizes up to 50 mm. Each flowmeter includes a paddlewheel impeller mounted on a bearing and pin assembly. The rotational speed of the impeller is measured by a magnetic pickup housed in the probe assembly. The meter housings are constructed of corrosion-resistant stainless steel. The meters can be customized to handle a variety of flow ranges and pressures, with threaded or flanged connections, and various display requirements. In addition, the user can specify a temperature rating up to 120°C, 230°C, or 350°C.

**Icenta Controls Ltd.**

[www.icenta.co.uk](http://www.icenta.co.uk)



### Flowmeter Has a Wide Turndown Range

The Gilflo ILVA flowmeter is suitable for steam, liquid, and gas applications in line sizes of 10 in. and 12 in. The flowmeter system is comprised of four individual pieces: an ILVA meter, a compact stem, a manifold, and a Scanner 2000 steam mass flow transmitter that can output and display mass flowrates and total flows. The compact stem reduces both the time and cost of installation. The flowmeter is designed with a cone that helps to reshape and flatten the flow stream profile just before the measurement point. This eliminates the need for long straight pipe runs, and allows the meter to be installed close to pipe bends and valves. The Gilflo ILVA enables accurate and repeatable measurements over the full turndown range of 100:1.

**Spirax Sarco, Inc.**

[www.spiraxsarco.com/us](http://www.spiraxsarco.com/us)

### Bendable Capacitance Probe Fits in Tight Vessel Spaces

This bendable capacitance probe can fit into vessels where obstructions prevent the installation of a straight probe. The probe is mounted on the side of the bin and can measure a wide range of solid materials and slurries. It will not interfere with two-way radios or other equipment in the radio spectrum because it operates at an RF level of 6 kHz. The probe has a screw-off cover that allows easy access to internal components. The housing also has a powder-coat finish and dual conduit entries to simplify wiring and installation.

**BinMaster**

[www.binmaster.com](http://www.binmaster.com)

### Coriolis Mass Flowmeter Features Entrained-Gas Management

The Optimass 6400 Coriolis mass flowmeter is suitable for standard liquid and gas applications in the chemical and petrochemical, oil and gas, pharmaceutical, food and beverage, and energy industries. It is equipped with the MFC 400 signal converter, which enables dynamic density measurement, as well as enhanced diagnostic and status indications. The Optimass 6400 features advanced entrained-gas management (EGM) to prevent the loss of measurement with gas entrainment of up to 100% of volume. It also features a configurable alarm that can identify transient gas entrainments. The flowmeter is offered in Type 316L stainless steel, Hastelloy C22, and duplex steel UNS S31803 constructions. It operates at high temperatures, up to 752°F, and in cryogenic applications down to –328°F, and it can handle pressures up to 200 bar.

**KROHNE**

[www.us.krohne.com](http://www.us.krohne.com)

## C80

### Calvet Calorimeter



**C80 features:**

- 3D Heat flux detector
- Ambient to 300°C
- Isothermal or scanning modes
- In-situ mixing
- High pressure calorimetry (1000 bar)

**Applications:**

- Process safety
- Life sciences – Pharmaceuticals
- Energy
- Food
- ...

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