

New DM10 Digital Display for Flow Meters

Meter Provides Remote Digital Readout Of Flow Or Temperature from Flow Meters



San Marcos, CA

The new DM10 Digital Display from Fluid Components International (FCI) acts as a remote digital display of flow rate or temperature readings from FCI's popular ST and GF Series thermal-dispersion mass flow meters. These instruments can be used with blind flow transmitters as their primary readout, or with integral display flow meters as a remote mounted additional display, or as an auxiliary display mounted anywhere.

The **Model DM10** is a loop-powered LCD readout meter, which can be inserted anywhere in the flow meter's 4-20 mA output loop. It requires no separate power source as it relies on the flow meter's 4-20 mA output loop's power. The DM10 is scalable to ± 1999 digits and features oversized 1-inch (25mm) high characters for easy viewing. It is sized at 3.15 (h) -x- 5.51 (w) -x- 2.56 (d) inches (80-x-40-x-65 mm).

The Model DM10 is designed to meet a wide range of meter installation locations and process requirements. Its standard configuration is wall mountable, with optional panel or pipe mount kits available. Wiring is to screw terminals via a standard 0.5-inch conduit hole at the bottom of the case. The DM10 is also available in FM and CSA approved versions for installation in hazardous areas requiring approvals.

The DM10 remote display is designed for use with the popular FCI ST and GF Series Flow Meters. These flow meters provide direct mass flow measurement of air, fuel gases and process gases. The series includes six different insertion and inline style models: the ST50, ST75, ST98, ST98L, GF90 and the GF92. Each of these popular meters is designed for precision air/gas flow measurement to meet a wide range of rugged plant applications found in the demanding process and manufacturing industries, including chemical, oil/gas, wastewater treatment, power utilities, food/beverage, heat-treating, metalworking, pharmaceutical, pulp/paper, and others.

Blending superior accuracy over a wide flow range with high repeatability, the rugged FCI flow meters are available in a broad range of configurations, including high-speed, high temperature, high pressure, low flow, large line sizes, small line sizes, sanitary, DC or AC powering, and for virtually any gases. Their precision thermal dispersion mass flow measuring technology design is inherently temperature compensated and is virtually drift-free. Installation requires only simple tools and can be done by a single technician.

These flow meters are a no-moving parts design, which means that FCI thermal-dispersion flowmeter require almost no maintenance. FCI flow meters are the right choice whenever accuracy, reliability, durability and lowest lifecycle costs are a primary consideration in air or gas flow measurements

Serving critical process instrumentation needs worldwide, ISO 9001:2000 certified FCI is the world's leading manufacturer of thermal-dispersion technology flow and level measurement instrumentation for industry. Since 1964, the company has provided a broad range of liquid, gas and slurry flow/no flow detection, flow meters, liquid level interface, flow conditioning and more.

Fluid Components International is a global company committed to meeting the needs of its customers through innovative solutions to the most challenging requirements for sensing, measuring and controlling the flow and level of air, gases and liquids.