

New DM15 Digital Display for Flow Meters

Remote or Panel Mount Meter Provides Digital Readout of Flow and Temperature from Flowmeters



San Marcos, CA

The new DM 15 Digital Display from Fluid Components International (FCI) serves as a remote digital display that indicates flow rate or temperature readings utilizing FCI's popular ST and GF Series thermal-dispersion mass flow meters. Highly user flexible in terms of input and display, the DM15 represents a best value DC input indicator that also offers a unique hi/low alarm set-point option that can be set to any point plus-or-minus within its measurement range.

The **Model DM15 Display** is a high accuracy, AC-line powered meter with a bright red LED readout. The DM15 features a user, push-button scalable ± 9999 digit display and will accept either the 4-20 mA or 0-10 Vdc output signals from FCI flow meters. It is ideal for a wide range of air, gas and fluid process control applications where accurate flow measurement is essential to the integrity of the process.

Extremely easy to use, the DM15 features a switch located behind its snap-off front lens that provides easy access to voltage and milliamp input selection. Full scales (0-10V, 0-20mA) or any subset (e.g., 200mV-2.5V, 4-20mA, etc) can be scaled simply and quickly.

The DM15's microprocessor-based design provides superior measurement stability, 1-digit repeatability and 0.02 percent accuracy. In addition, engineering unit labels (flow, temperature, percent and blanks) are provided to meet specific user application requirements.

The DM15's optional user programmable alarm set-point includes a Form C relay output for hook-up to external lamps, buzzers, on/off controllers and more. The DM15 fits a standard 1/8 DIN cutout [1.89" (h) -x- 3.78" (w) -x-5.35" (d); 48-x-96-136 mm] for easy panel mounting. Universal screw terminals are located at the rear for hook-up to sensor and power wiring.

When used with FCI's ST50 or ST75 Series multi-variable flow meters, which feature dual analog outputs, two DM15's can be mounted together for simultaneous display of the fluid's flow and temperature. This capability makes the DM15 exceptionally versatile and ideal for use in tight tolerance or complex processes.

In addition to the DM15, the DM Series includes two additional digital read-outs designed to meet a wide range of meter installation locations and process requirements. Installed near the pipe, these devices can be used with blind flow transmitters as their readout, or with integral display flow meters as a remote mounted additional display, or as an auxiliary display mounted anywhere along a flow control loop.

The DM Series of remote displays are 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 ST98, ST98L, ST50, ST75, GF90 and the GF92. Each of these popular meters is designed for precision air/gas flow measurement in 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.

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 flow and level of air, gases and liquids.