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FMC Technologies



Fmc² Flow Management Computer

Flexible, compact, programmable and fully configurable
microprocessor-based flow computer



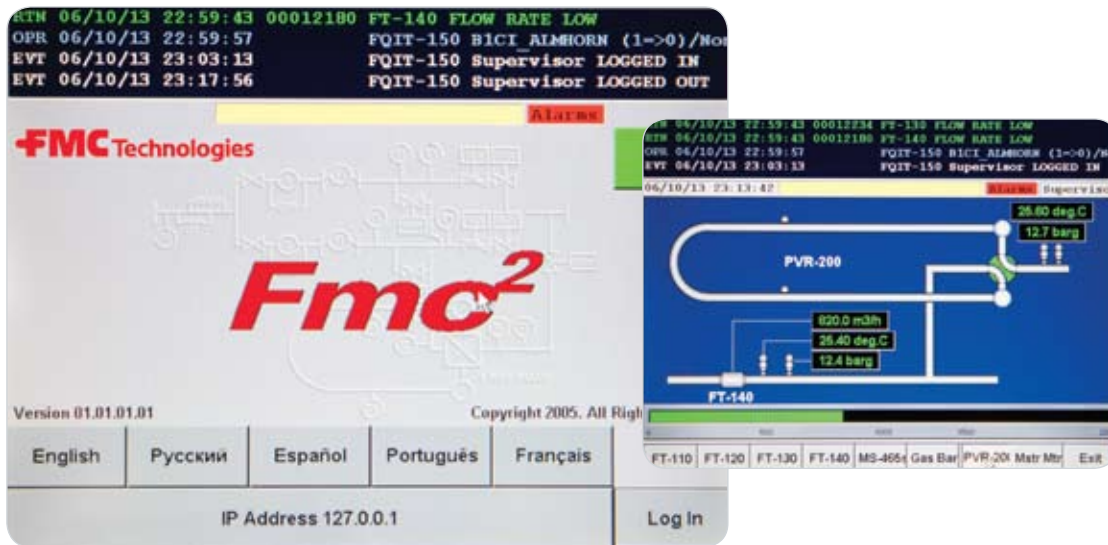
The *Fmc²* flow management computer is the most advanced in the industry. Flexible, compact, fully-programmable, fully-configurable and micro-processed based, the *Fmc²* is the culmination of FMC Technologies' experience in developing new technologies for custody transfer measurement in the petroleum industry.

The *Fmc²* flow management computer can act as a high-integrity, stand alone flow computer or as a powerful building block for integration into a supervisory computer control system.

Backed by FMC Technologies' superior customer service and global presence, the *Fmc²* is the cutting edge solution for custody transfer measurement applications.

Fmc²





The Fmc² allows operators the ease and convenience of full-screen visibility of the entire metering operations including multiple meter streams and proving systems.

a superior choice for managing and monitoring liquid and gas measurement systems

Features

Modular Design – flexible and scalable input / output modules for any size system

Human Machine Interface (HMI) – graphic and menu driven system interface via touch screen; unprecedented in the flow computer market

Multiple Language Support – multi-language, user-configurable text for displays, alarms/events and reports (English, Russian, Spanish, Portuguese, and French)

Compliance

- All major current and historical standards for API and AGA

Configuration Options

- Multi-manufacturer frequency densitometer inputs
- User-configurable Modbus Master interface – can be used to collect data from any Modbus Slave device (Gas Chromatographs, Ultrasonic Meters, other flow computers)
- User-configurable Modbus Slave interface to host or SCADA systems, or any Modbus Master device
- Full PI control functions, with selectable secondary variable for use in over-ride situations (i.e. back pressure control), bumpless transfer between modes



- User-configurable on-screen text indications, in all languages
- Supports all measurement units (U.S. customary or Metric), or any combination of measurement units
- Selectable automatic meter factor acceptance for provers

Applications

- **Gas and Liquid** – a single Fmc² can support applications for both liquid and gas measurement systems with multiple, mixed fluid types per metering system (i.e. manage a system with 2 meter runs for liquid products and 2 meter runs for gas products)
- **Provers** – provides automatic proving support for bidirectional, unidirectional, small volume provers and master meters

Benefits

- User configurable menu system provides customized reporting and system monitoring
- Automatically generates standard or configured report templates that provides information users need in print or viewable onscreen
- Ensures protection of historical data by archiving 100 percent of each report type
- Produces trending data reports for system diagnostics and optimization
- Onscreen alarm displays alert users to potential problems for quick intervention



FMC Technologies and Our Measurement Solutions Legacy Brands

FMC Technologies, Inc. is a global leader providing mission-critical technology solutions for the energy, food processing and air transportation industries. Its **Measurement Solutions** business unit excels in process systems, measurement technologies, transportation, and custody transfer of gases and liquids in the oil and gas industry. FMC Technologies employs approximately 11,000 people and operates 33 manufacturing facilities in 19 countries.

FMC Technologies Measurement Solutions sets the standard for global **Best Measurement Practices** by designing, manufacturing and servicing the precision products and systems used to measure and control liquids and gases in industrial applications. The **Smith Meter**[®] brand is known worldwide for its ability to produce reliable, accurate and consistent measurement results. Similarly, our **Sening**[®] brand tank truck components and systems are trusted to provide safety and environmental protection while ensuring accurate measurement during the transport and transfer of liquid products.

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