Emerson Flow Computers

FB2100 and FB2200

Emerson's Next Generation Flow Computer

Emerson's new field mount flow computer family provides a new solution to flow metering and flow computing where challenges with power, safety and measurement accuracy are addressed, delivering a more convenient approach to remote oil and gas production sites.

The entire family of flow computers provide API, AGA and ISO compliant gas measurement for single or dual meter runs. Extensive control alarming, reporting, and event log capabilities provide operators with required data to ensure optimal measurement certainty and production efficiency.

Inconsistent Measurements?

Gain measurement confidence with unmatched accuracy.

Measurement uncertainty is a critical consideration of all oil and gas producers. With the FB2000-Series Flow Computer you can further reduce measurement uncertainty. Our combination of best-in-class sensor stability and temperature measurement coupled with industry leading fallback options drive measurement performance to industry leading levels. Our ease-of-use features make it less likely that measurements will be misconfigured.

Limited Time and Resources?

Operate more effectively with simplified configuration and support.

Simplified configuration and support of devices make every aspect of your operation more effective. The new family of flow computers offers a variety of features that reduce the time required to configure devices, reduce the likelihood of configuration errors, and reduce the amount of training required to be effective.

Concerned with Operator Safety?

Access data locally without compromising safety.

Maintaining a safe operation is your top priority, and yet technicians are typically required to compromise hazardous area approvals to access flow computers. No longer. With FBxWifi or the Local Interactive Display, the FB2000-Series Flow Computers can be accessed for data collection, set point and configuration changes, easily without opening the enclosure – which makes your people, equipment, and operation safer than ever.

EMERSON

Enhanced Metrology Platform

Minimized measurement risk.

With an industry-leading global suite of metrology calculations – validated by third parties – you can be confident that no matter where you are you'll find what you need. Add in enhanced fallback mode, global compliance, and role-based security and you can be confident that measurement risk has been minimized with all your calculations in the base firmware and your audit risks are contained.

Multivariable Sensor

Superior technology, unparalleled precision.

Equipped with the latest Rosemount™ multivariable measurement sensor (MVS) technology and engineered for optimal flow performance, the MVS delivers unparalleled accuracy over a wide range of operating conditions. Pressure inputs on the sensor are used to measure both differential (DP) and static (absolute or gauge) pressure with an operating range up to 3600 psia and a five year stability.

FBxConnect Tool

Guided workflow simplifies configuration.

FBxConnext provides a guided configuration process that takes you through a step-by-step process to fully configure your flow computer. This wizard-driven approach simplifies configuration and ensures that you only need to enter required data once. Whether it's you or your newest technician, you can be confident that it is done the right way.

Interactive Display

Access locally while maintaining safety.

The backlit liquid crystal display provides a local operator direct access to the device, without removing the front cover. The display provides four infrared 'buttons' that allow you to securely sign in and then interact with the flow computer in the hazardous environment without compromising safety. Four LEDs on the display provide you alarms and status information.

FBxWifi™

Easily connect through a secure wireless network.

FBxWifi enables you to connect your laptop or tablet to the flow computer through a secure wireless connection. Once connected, you can use FBxConnect configuration software to view process values, edit configuration parameters, update set-points and collect logs stored in the flow computer — all while never stepping foot in the hazardous area.

Integrated Firmware

Everything you need, already there.

The integrated firmware of the FB2000-Series Flow Computer contains all the functionality you're looking for. A full set of global calculations including support for Orifice, Cone, Venturi, Nozzle & Rosemount Conditioning plate DP meters as well as Turbine, Coriolis and Auto Adjust linear meters are embedded in the unit. Simply select the software you plan to use and audit without the need for extra user programs and licenses.

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