

# FloBoss™ 107 Flow Manager

The FloBoss™ 107 Flow Manager (FB107) is a microprocessor-based controller that monitors, measures, and controls equipment in a remote environment. Designed for expandability, the FB107 provides the functions required for a variety of field automation applications. You can use the FB107 for:

- Applications requiring flow computation.
- Control applications.
  - Proportional, Integral, and Derivative (PID) control loops.
  - Logic sequencing control using Function Sequence Tables (FSTs).
  - IEC-61131 programmed applications.
- Custom applications for measurement, communications, and control.

For detailed firmware capabilities, see *Product Data Sheet FB107:FW1*.

The FB107 is capable of measuring up to four meter runs through a variety of differential and linear meters. Meter inputs can utilize analog or digital transmitters, pulse inputs, or modbus variables. You can add an optional Multi-Variable Sensor (MVS) module to provide an interface to remote MVS transmitters for multiple run applications.

The FB107 has four slots on the main unit with four additional slots on the optional expansion rack. Slot 0 is for the central processing unit (CPU) module, which includes three communication ports, a resistance temperature detector (RTD)

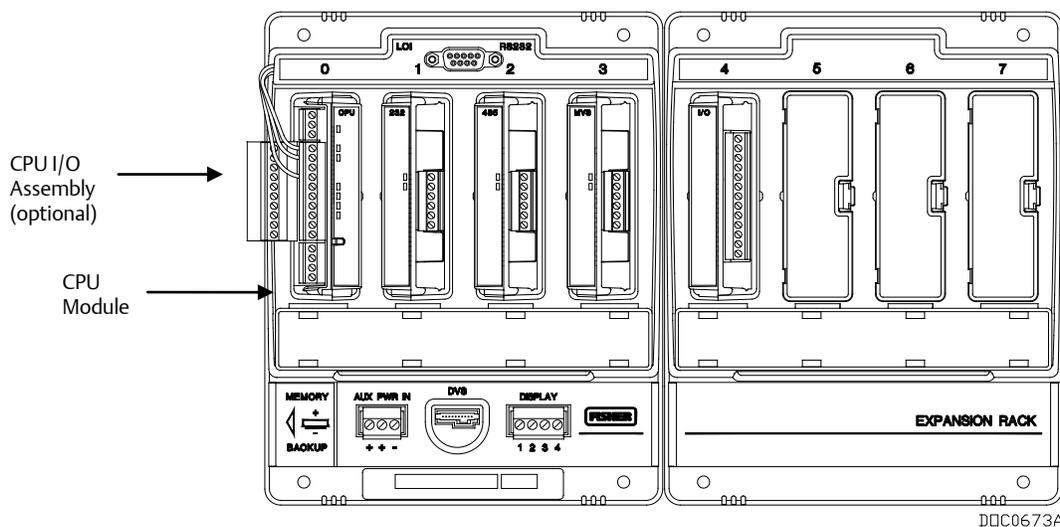
input, power input, and loop output power. Optionally, the CPU module can include a 6-point configurable I/O assembly.

Slots 1 and 2 on the main unit can contain communication modules. Slots 1, 2, and 3 on the main unit and slots 4, 5, 6, and 7 on the optional expansion rack can contain input/output (I/O), MVS, and application modules.

Use ROCLINK™ 800 Configuration Software to configure the FB107, extract data, and monitor its operation.

The FB107 has the following features:

- Capable of measurement for differential pressure elements and linear meter applications.
- Expandable I/O – Six points on the optional CPU I/O assembly and up to six I/O modules (with expansion rack).
- Configurable operating speed to optimize low power consumption.
- Standard and extended history archiving.
- Field-side surge and short-circuit protection.
- Local storage of monitored, measured, and calculated data.
- Local control of field equipment, including valves and motors.
- Local and remote communication capabilities.
- High levels of data security.
- Battery backed memory and data configuration.
- WirelessHART™ support



FloBoss 107 with optional Expansion Rack