Flow Computer

4050

Cox Turbine Flow Meters

DESCRIPTION

The Model 4050 flow computer is designed to meet the ever-changing requirements of flow metering and can be tailored to virtually any flow application. It is designed to accept up to three meters, correct for temperature changes, and produce a usable output in any flow unit. The Model 4050 flow computer is designed to work with manifold systems and switch relays. The Model 4050 flow computer output can be used to change valve states and select the meter that measures the flow.

Each Model 4050 flow computer is programmed to your individual requirements. Software is written for each unit, when required. Each flow computer comes standard with a frequency input card, an analog input card, a relay card, and a communication card. Other cards are optional. Call the factory for additional options.

BENEFITS

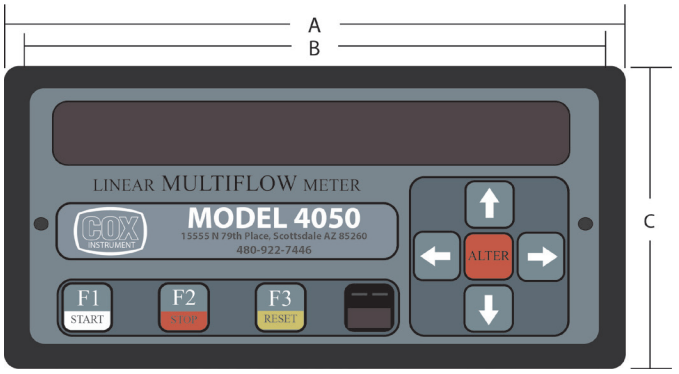
- Monitors up to three independent flow sensors
- Automatic switching for manifold applications
- Unique remote control or front panel keypad to select mass or flow rate display
- RTD input for temperature compensation
- RS485 communications port for PC interface
- User friendly data entry and setup
- Program or reprogram calibration data and unit setup via the RS485 interface

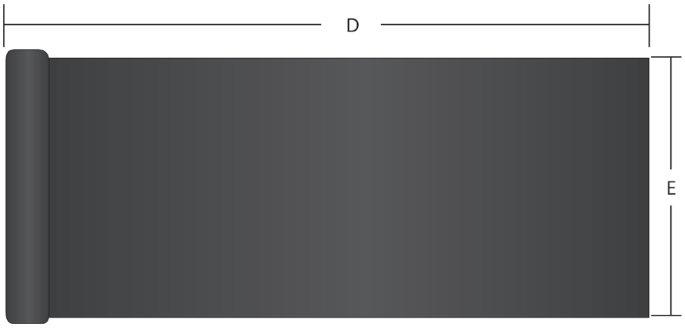
APPLICATIONS

Model 4050 flow computers are suitable for applications that need to manifold up to three turbine meters for flow ranges to 30,000:1, such as:

- Engine test cell applications monitoring
  - ◊ Fuel consumption
  - ◊ Inventory management
  - ◊ Coolant flow rates
- Hydraulic power components performance testing applications monitoring
  - ◊ Power steering systems
  - ◊ Precision control valves
  - ◊ Hydraulic motors

DIMENSIONS





A	7.56 in. (192.04 mm)
B (Panel Cutout)	3.78 in. (96.01 mm)
C	8.27 in. (210.06 mm)
D	3.62 in. (91.95 mm)
E	7.32 in. (185.93 mm)

SPECIFICATIONS

Input	Maximum of three voltage pulse frequency inputs
	Frequency range 0.5 Hz…20 kHz
	Programmable frequency and flow rate cutoffs
Output	24V DC
Power Requirements	220…240V AC 50/60 Hz or 110…120V AC 50/60 Hz

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Badger Meter

Control. Manage. Optimize.

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Product Data Sheet