



MODEL FT3 FLOW METER FEATURES

1. State-of-the-Art

The new Fox FT3 combines the latest advances in microprocessor electronics with cutting-edge manufacturing and high-tech inspection techniques.

2. In-the-Pipe Calibration Validation with CAL-V™

The FT3's CAL-V™ function allows operators to validate the meter's calibration accuracy by testing the functionality of the sensor and associated signal processing circuitry - all this with the simple push of a button. Fox's innovative approach lets users validate calibration in-the-pipe -- under actual process conditions, including zero flow. The FT3 View software automatically logs the date and results of each CAL-V™ check.

3. Outstanding Low Flow Capability, Wide Turn-Down Ratio

Fox's thermal dispersion technology is capable of providing precise measurement of extremely low velocity gas flows. This results in a wide measurement range and a turn down ratio of 100:1 is typical. In many applications, the ratio is higher.

4. Measure Mass or Standard Volumes and Process Gas Temperature/Outputs

The Fox FT3 measures the mass flow of gases in pounds, kilograms or metric tons (per unit of time). It also provides standardized (normalized) volumetric measurement in SCFM, SCFH, NMPS, NM3/M, NM3/H, NM3/D, NLPS, NLPH, MSCFD, SCFD, MMSCFD, MMSCFM, SMPS, SM3/H. Process gas temperature measurement is standard. Outputs include two 4 to 20mA and one pulse.

5. Power Pro™ Sensor

The Power Pro™ sensor is standard on all Fox Meters and operates at a higher power level than competitive models. This results in a faster response time and it allows a wider turn-down ratio.

6. NIST Traceable Calibration

The Fox Calibration laboratory uses NIST traceable flow standards to ensure the highest level of accuracy and the fastest turn-around time. The Fox Lab can calibrate using a wide range of gases, gas mixtures and temperatures.

7. Inline or Insertion Models

Inline type flow meters are available for ¼" to 6" pipes. Built-in flow conditioners reduce the requirement for long, straight pipe runs both upstream and down. The inline flow bodies are available in either 316 stainless or medium carbon steel. Insertion type flow meters are easy to install and can be installed in pipe diameters of 1 ½" and up.

8. Display and Configuration Panel

The optional Display and Configuration Panel displays flow rate, flow total, elapsed time, process temperature and alarms. The Configuration Panel allows programming of a large variety of meter settings.

9. Digital Communications / FT3 View™

Bus options are HART and RS485 Modbus. The FT3 uses a standard USB port to connect to a PC. Fox's free FT3 View™ software provides complete configuration and remote process monitoring functions. FT3 View™ lets you adjust meter configuration, evaluate transmitter alarm conditions, data log process information, and view measurements from your PC or control station.

10. Enclosure and Area Rating

The FT3's NEMA 4X (IP68) housing is rated FM/FMc Class 1, Division 1, and ATEX/IECEx Zone 1. It is CE approved.

11. DC or AC Powered

The FT3 accepts 24VDC power or 85 to 264VAC (47-63 Hz) power is an option.

Some of the features listed are optional features