



# DDC-SENSOR™ PRODUCTS

## FT1, FT4A, & FT4X SHARED FEATURES

- Advanced DDC-Sensor™
- Measures process gas flow rate and temperature
- Gas-SelectX® technology
- Flow Accuracy:
  - $\pm 1\%R \pm 0.5\%FS$  (Air or N2)
  - $\pm 1.5\%R \pm 0.5\%FS$  (Other gases)
- NIST-traceable calibration
- Standard USB and free FT View™ Software
- Calibration Validation with the CAL-V™ diagnostic feature
- Insertion and inline styles
- FM/FMc, ATEX, and IECEx Class I, Div. 1 Agency Approvals
- CE Mark

## INDUSTRIAL GRADE



### FT1 Thermal Mass Flow Meter

- Optional on-board display and configuration panel
- Max Flow Velocity: 25,000 SFPM
- 12-24VDC Input Power
- Channel 1: Standard 4-20mA output proportional to mass flow rate - HART option
- Channel 2: Choice of pulse/alarm output, Modbus RTU (RS485), or BACnet MS/TP

## OIL & GAS GRADE



### FT4A Thermal Mass Flow Meter

- BLM 3175 and API 14.10 Accuracy Compliant
- Standard on-board display and configuration panel
- Max Flow Velocity: 60,000 SFPM
- 12-24VDC Input Power
- Channel 1: Standard 4-20mA output proportional to mass flow rate - HART option
- Channel 2: Choice of pulse/alarm output or Modbus RTU (RS485)



### FT4X Thermal Mass Flow Meter

- BLM 3175 & API 14.10 Accuracy Compliant; UKEX approved
- Standard data logger: Flow totalization and event logging
- Standard on-board display and configuration panel
- Max Flow Velocity: 60,000 SFPM
- 12-24 VDC or 100 to 240VAC Input Power
- Two 4-20mA outputs. Channel 1: proportional to mass flow rate and Channel 2: for mass flow rate or temperature
- Alarm or pulse output
- Serial Communication options: Modbus RTU (RS485) or HART
- Switch input for resetting total
- Remote Sensor option



# POWERPRO™ SENSOR PRODUCTS

## FT2A & FT3 SHARED FEATURES

- PowerPro™ Sensor
- Measures process gas flow rate and temperature
- Flow accuracy:  $\pm 1\%R \pm 0.2\%FS$
- NIST-traceable calibration
- 24 VDC or 100 to 240 VAC Input Power
- Two 4-20mA outputs proportional to mass flow rate or temperature
- One discrete output configured for alarms or frequency output proportional to flow
- One discrete input to reset total
- Standard USB Port and Free FT View™ Software
- Insertion, Inline, and Remote Styles
- CE Mark

## INDUSTRIAL GRADE



### FT2A Thermal Mass Flow Meter

- Standard display and configuration panel
- Optional Modbus RTU (RS485), BACnet MS/TP, Profibus-DP, DeviceNet, or Ethernet Modbus TCP
- FM/FMc Class I, Div. 2 Agency Approvals

## OIL & GAS GRADE



### FT3 Thermal Mass Flow Meter

- Calibration Validation with the CAL-V™ and Zero CAL-CHECK®
- Optional on-board display and configuration panel
- Optional HART and Modbus RTU (RS485)
- FM/FMc, ATEX, and IECEx Class I, Div. 1 Agency Approvals

## BENEFITS OF THERMAL MASS TECHNOLOGY

- Direct mass flow measurement of air and gases in standard volumetric units (e.g., SCFM or NM3/H) or mass units (e.g., LBS/M or KG/H)
- No additional pressure or temperature compensation required
- Repeatability and exceptionally broad measurement range: up to 1000:1 (100:1 typical)
- Standard linear 4-20mA output proportional to mass flow rate
- Low pressure drop
- No moving parts
- Cost-effective