



COMPARISON OF FOX FLOW METER FEATURES

FOX MODELS FT1, FT2A, FT3, FT4A, AND FT4X

	MODEL FT1	MODEL FT2A	MODEL FT3	MODEL FT4A	MODEL FT4X
PIPE DIAMETER INSERTION METERS	1.5" - 70"	1.5" - 70"	1.5" - 70"	1.5" - 70"	1.5" - 70"
PIPE DIAMETER INLINE METERS (WITH FLOW CONDITIONERS)	¾" - 6"	½" - 6"	½" - 6"	¾" - 6"	¾" - 6"
REMOTE OPTION	N/A	Optional	Optional	N/A	Optional
OUTPUTS	One 4-20mA Output <ul style="list-style-type: none"> Resolution 16 bits One selection 2nd channel: <ul style="list-style-type: none"> Pulse/alarm Output Communication Options 	Two 4-20mA Outputs <ul style="list-style-type: none"> Resolution 12 bits Pulse/alarm Output Communication Options	Two 4-20mA Outputs <ul style="list-style-type: none"> Resolution 12 bits Pulse/alarm Output Communication Options	One 4-20mA Output <ul style="list-style-type: none"> Resolution 16 bits One selection 2nd channel: <ul style="list-style-type: none"> Pulse/alarm Output Communication Options 	Two 4-20mA Outputs <ul style="list-style-type: none"> Resolution 16 bits Pulse/alarm Output Communication Options
COMMUNICATION OPTIONS	USB Port (Standard) Modbus RTU (RS485) BACnet MS/TP (RS485) HART	USB Port (Standard) Modbus RTU (RS485) BACnet MS/TP (RS485) Profibus-DP DeviceNet Ethernet Modbus TCP	USB Port (Standard) Modbus RTU (RS485) HART	USB Port (Standard) Modbus RTU (RS485) HART	USB Port (Standard) Modbus RTU (RS485) HART
CONTACT INPUT	N/A	Contact input to reset total	Contact input to reset total	N/A	Contact input to reset total
DATALOGGER	N/A	N/A	Optional	N/A	Standard
CALIBRATION VALIDATION (in-situ verification)	CAL-V™	N/A	CAL-V™ Zero CAL-CHECK®	CAL-V™	CAL-V™
POWER	12-24VDC	24VDC ±10% 100-240VAC	24VDC ±10% 100-240VAC	12-24VDC	12-24VDC 100-240VAC
DISPLAY	(Optional) Two Lines x 16-Characters Backlit	(Standard) Two Lines x 16-Characters Backlit	(Optional) Two Lines x 16-Characters Backlit Infrared buttons	(Standard) Two Lines x 16-Characters Backlit	(Standard) Two Lines x 16-Characters Backlit
GAS SELECT MENU	Yes - Gas-SelectX®	N/A	N/A	Yes - Gas-SelectX®	Yes - Gas-SelectX®
GAS/GAS MIXES	Pure Gas Menu Mixed Gas Menu (max. 5)	Extensive	Extensive	Pure Gas Menu Mixed Gas Menu O&G Gas Menu	Pure Gas Menu Mixed Gas Menu O&G Gas Menu
SENSOR	DDC-Sensor™ ¾" probe	PowerPro™ Sensor ½" probe	PowerPro™ Sensor ½" probe	DDC-Sensor™ ¾" probe	DDC-Sensor™ ¾" probe
FREE SOFTWARE DOWNLOADS	Yes - FT1 View™	Yes - FT2A View™	Yes - FT3 View™	Yes - FT4A View™	Yes - FT4X View™

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		MODEL FT1	MODEL FT2A	MODEL FT3	MODEL FT4A	MODEL FT4X
SPECS	ACCURACY	±1% R ±0.2% FS (air or N2) ±1.5% R ±0.5% FS (all other gases)	±1% R ±0.2% FS	±1% R ±0.2% FS	±1% R ±0.2% FS (air or N2) ±1.5% R ±0.5% FS (all other gases)	±1% R ±0.2% FS (air or N2) ±1.5% R ±0.5% FS (all other gases)
	VELOCITY RANGE	0 - 25,000 SFPM; 0 - 120 NMPS	0 - 60,000 SFPM; 0 - 283 NMPS	0 - 60,000 SFPM; 0 - 283 NMPS	0 - 60,000 SFPM; 0 - 283 NMPS	0 - 60,000 SFPM; 0 - 283 NMPS
	SENSOR TEMPERATURE RATINGS	-40° to 250°F (-40° to 121°C)	Standard Temperature: -40° to 250°F (-40° to 121°C) High Temperature: -40° to 650°F (-40° to 343°C)	Standard Temperature: -40° to 250°F (-40° to 121°C) High Temperature: -40° to 650°F (-40° to 343°C)	-40° to 250°F (-40° to 121°C)	-40° to 250°F (-40° to 121°C)
	MAXIMUM PRESSURE	740 psig (51 barg)	500 psig (34 barg)	500 psig (34 barg)	740 psig (51 barg)	740 psig (51 barg)
	APPROVALS*	CE Mark* FM/FMc Class I Div 1* ATEX/IECEX Zone 1*	CE Mark* FM/FMc Class I Div 2*	CE Mark* FM/FMc Class I Div 1* ATEX/IECEX Zone 1*	CE Mark* FM/FMc Class I Div 1* ATEX/IECEX Zone 1*	CE Mark* FM/FMc Class I Div 1* ATEX/UKEX/IECEX Zone 1*

*See Model Datasheets for more specific information on Specifications and Approvals

Benefits of Thermal Mass Flow Technology

There are many advantages of thermal gas mass flow meters over other flow measurement technologies. Fox Thermal leads the industry for accuracy, quality, and innovative design. Benefits of Thermal Mass Flow Technology:

- Direct mass flow measurement of air and other 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
- Insertion, Inline & remote** styles
- Measures flow rate and temperature

The Fox Thermal Difference:

- Microprocessor-based, field-rangeable electronics
- DDC-Sensor™ innovative flow sensor design**
- Gas-SelectX® field selectable gases / gas mixes**
- CAL-V™ and Zero CAL-CHECK® Calibration Validation**
- Free FT View™ Software to configure meter, print calibration validation certificates, run simulations, and more!**
- Data Logger with 7-year history**

**features vary by model number