

	MODEL FT1	MODEL FT2A	MODEL FT3	MODEL FT4A	MODEL FT4X	
FEATURES	INSERTION SIZES	1.5" - 70"	1.5" - 70"	1.5" - 70"	1.5" - 70"	
	INLINE (W/FLOW CONDITIONERS) SIZES	¾" - 6"	¼" - 6"	¼" - 6"	¾" - 6"	
	REMOTE OPTION		OPTIONAL	OPTIONAL		OPTIONAL
	OUTPUTS	USB Port; 4 to 20mA; Selection of one 2nd output: • Pulse • Communication Options	USB Port; 2 X 4 to 20mA; Pulse Communication Options	USB Port; 2 X 4 to 20mA; Pulse Communication Options	USB Port; 4 to 20mA; Selection of one 2nd output: • Pulse • Communication Options	USB Port; 2 X 4 to 20mA; Pulse Communication Options
	COMMUNICATION OPTIONS	Modbus RTU (RS485) BACnet MS/TP (RS485) HART	Modbus RTU (RS485) BACnet MS/TP (RS485) Profibus-DP DeviceNet Ethernet Modbus TCP	Modbus RTU (RS485) HART	Modbus RTU (RS485) HART	Modbus RTU (RS485) HART
	CONTACT OR DISCRETE I/O	Discrete output for alarms*	Discrete output for alarms* Contact input to reset total	Discrete output for alarms* Contact input to reset total	Discrete output for alarms*	Discrete output for alarms* Contact input to reset total
	DATALOGGER	None	None	Optional	None	Standard
	CALIBRATION VALIDATION (in-situ verification)	Zero CAL-CHECK®	None	CAL-V™ Zero CAL-CHECK®	CAL-V™	CAL-V™
	POWER	10-30VDC**	24VDC ±10% 85-264VAC***	24VDC ±10% 85-264VAC***	10-30VDC**	10-30VDC**
	DISPLAY	(Optional) 2-Lines x 16-Characters Backlit	(Standard) 2-Lines x 16-Characters Backlit	(Optional) 2-Lines x 16-Characters Backlit Infrared buttons	(Standard) 2-Lines x 16-Characters Backlit	(Standard) 2-Lines x 16-Characters Backlit
	GAS SELECT MENU	Yes - Gas-SelectX®	None	None	Yes - Gas-SelectX®	Yes - Gas-SelectX®
	GAS/GAS MIXES	Pure Gas Menu (11 gases) Mixed Gases (choose 5)	Extensive	Extensive	Pure Gas Menu (11) Mixed Gas Menu (any of 11) O&G Gas Menu (any of 12)	Pure Gas Menu (11) Mixed Gas Menu (any of 11) O&G Gas Menu (any of 12)
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™	

*Contact output in place of pulse

**12 - 28VDC for CE Mark approvals

***100 - 240VAC for CE Mark approvals

		MODEL FT1	MODEL FT2A	MODEL FT3	MODEL FT4A	MODEL FT4X
SPECS	ACCURACY	±1% R ±0.2% FS (air) ±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) ±1.5% R ±0.5% FS (all other gases)	±1% R ±0.2% FS (air) ±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)	ST: -40° to 250°F (-40° to 121°C) HT: -40° to 650°F (-40° to 343°C)	ST: -40° to 250°F (-40° to 121°C) HT: -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/IECEX Zone 1*

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

Benefits of Thermal Mass Flow Technology

There are many benefits of thermal gas mass flow meters over other flow measurement technologies and Fox Thermal leads the industry for accuracy, quality, and innovative design. Benefits of Thermal Mass Flow 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
- Insertion, Inline & remote** styles
- Measures flow rate and temperature

The Fox Thermal Difference:

- Microprocessor-based, field-rangeable electronics
- DDC-Sensor™ proprietary flow sensor design**
- Gas-SelectX® field selectable gases / gas mixes without affecting accuracy**
- 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