



FT4X INSERTION FLOW METER MODEL CODES

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MODEL FT4X INSERTION METER

FT4X standard features: two 4-20mA outputs, one pulse/alarm output, one contact input, display & configuration panel, USB connection, Gas-SelectX, and Data Logger

Feature Codes	Code	Description
Parent Model No.*	FT4X	Insertion Mass Flow Meter
Feature 1: Probe*	06I	Insertion meter with 6-inch probe
See "Calculating Probe Lengths" Below	09I	Insertion meter with 9-inch probe
	12I	Insertion meter with 12-inch probe
	15I	Insertion meter with 15-inch probe
	18I	Insertion meter with 18-inch probe
	24I	Insertion meter with 24-inch probe
1" MNPT compression fitting at no charge	30I	Insertion meter with 30-inch probe
	36I	Insertion meter with 36-inch probe
	15R	15" Probe w/150 psi retractor & full port valve - 1" male NPT, 316 SS wetted parts
	18R	18" probe w/150 psi retractor & full port valve - 1" male NPT, 316 SS wetted parts
	24R	24" probe w/150 psi retractor & full port valve - 1" male NPT, 316 SS wetted parts
	30R	30" probe w/150 psi retractor & full port valve - 1" male NPT, 316 SS wetted parts
	36R	36" probe w/150 psi retractor & full port valve - 1" male NPT, 316 SS wetted parts
Feature 2: Enclosure and Power*	E1	Local Explosion Proof enclosure, 24VDC powered
	E3	Remote Explosion Proof J-box, includes remote mounting kit, cable sold separately, 100' max
Feature 3: Communications options*	B0	No communications option
	RS	RS485 Modbus RTU
	BH	HART enabled on primary 4-20mA output

OPTIONS

Part #	Description
106796	Extra Instruction Manual
100657	Stainless Steel Tags
999995	Certificate of Origin
999992	Certificate of Conformance
106415	Teflon Ferrule Kit, 60 psi max.

OPTIONS

Part#	Description
107698	USB Cable, A-male/micro USB-B male, 6 feet
890000	Flow meter cleaned and bagged for Oxygen service
106658	Conduit/Wiring Entry Adapter, 3/4" NPT to M20 x 1.5, qty. 2 required per meter
106728	AC to 24VDC Power converter with DIN mounting rail
106958	8 conductor, 18 AWG PVC shielded cable for remote. Specify length in ft (100' max.)

Notes: * The Parent Model Number and one of each Feature must be specified.
Example: FT4X-15R-E3-RS

Insertion flow meters can be installed on 1.5" (40mm) pipes or larger. Select Inline Flow meters for pipes smaller than 1.5" (40mm).
Calculating Probe Length - Position the Fox Sensor in the center of the pipe. Use the following to calculate the probe length:
Probe Length = ½ pipe diameter + 3" (80mm) + Insulation + Retractor [for codes 15R through 36R, add 10" (203mm)]. Round up to next larger probe size.
D = pipe diameter; Insulation = Thickness of insulation (if any); Retractor = Dimension of retractor, if supplied.
Example 1: Pipe ID = 10" (254mm), no insulation or retractor: 5" (127mm) + 3" (80mm) = 8" (203mm). Round up to 9" probe (09I).
Example 2: Pipe ID = 10" (203mm) with retractor, no insulation: : 5" (127mm) + 3" (80mm) + 10"(retractor) (203mm) = 18" (457mm): 18R

MODEL FT4X INLINE METER

FT4X standard features: two 4-20mA outputs, one pulse/alarm output, one contact input, display & configuration panel, USB connection, Gas-SelectX, and Data Logger

Feature Codes	Code	Description
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Parent Model No.*	FT4X	Inline Mass Flow Meter
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Feature 1 : Flow Body Size*		316 Stainless steel flow body
	075P	0.75 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	10P	1 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	125P	1.25 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	15P	1.5 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	20P	2 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	25P	2.5 inch flow body, male NPT ends (schedule 40) 18" Face to Face
	30P	3 inch flow body, male NPT ends (schedule 40) 18" Face to Face
	075F	0.75 inch flow body, 150# RF flanges (schedule 40) 12" Face to Face
	10F	1 inch flow body, 150# RF flanges (schedule 40) 12" Face to Face
	125F	1.25 inch flow body, 150# RF flanges (schedule 40) 12" Face to Face
	15F	1.5 inch flow body, 150# RF flanges (schedule 40) 12" Face to Face
	20F	2 inch flow body, 150# RF flanges (schedule 40) 12" Face to Face
	25F	2.5 inch flow body, 150# RF flanges (schedule 40) 18" Face to Face
	30F	3 inch flow body, 150# RF flanges (schedule 40) 18" Face to Face
	40F	4 inch flow body, 150# RF flanges (schedule 40) 18" Face to Face**
	60F	6 inch flow body, 150# RF flanges (schedule 40) 24" Face to Face**
	15G	1.5 inch flow body, 300# RF flanges (schedule 40) 12" Face to Face
	20G	2 inch flow body, 300# RF flanges (schedule 40) 12" Face to Face
	25G	2.5 inch flow body, 300# RF flanges (schedule 40) 18" Face to Face
	30G	3 inch flow body, 300# RF flanges (schedule 40) 18" Face to Face
	40G	4 inch flow body, 300# RF flanges (schedule 40) 18" Face to Face**
	60G	6 inch flow body, 300# RF flanges (schedule 40) 24" Face to Face**

	A106 Grade B Carbon steel pipe (+ A105 flanges - if ordered)	
20PC	2 inch, male NPT ends (schedule 40)	12" Face to Face
25PC	2.5 inch, male NPT ends (schedule 40)	18" Face to Face
30PC	3 inch, male NPT ends (schedule 40)	18" Face to Face
20FC	2 inch, 150# RF flanges (schedule 40)	12" Face to Face
25FC	2.5 inch, 150# RF flanges (schedule 40)	18" Face to Face
30FC	3 inch, 150# RF flanges (schedule 40)	18" Face to Face
40FC	4 inch, 150# RF flanges (schedule 40)	18" Face to Face **
60FC	6 inch, 150# RF flanges (schedule 40)	24" Face to Face **
20GC	2 inch, 300# RF flanges (schedule 40)	12" Face to Face
25GC	2.5 inch, 300# RF flanges (schedule 40)	18" Face to Face
30GC	3 inch, 300# RF flanges (schedule 40)	18" Face to Face
40GC	4 inch, 300# RF flanges (schedule 40)	18" Face to Face **
60GC	6 inch, 300# RF flanges (schedule 40)	24" Face to Face **

Feature 2: Enclosure and Power*	Code	Description
	E1	Local Explosion Proof enclosure, 24VDC powered
	E3	Remote J-box, 100' max, includes remote mounting kit, cable sold separately

Feature 3: Communications options*	Code	Description
	B0	No communications option
	RS	RS485 Modbus RTU
	BH	HART on primary 4-20mA output

OPTIONS

Part#	Description
890000	Flow meter cleaned and bagged for Oxygen service
999995	Certificate of Origin
106796	Extra Instruction Manual
100657	Stainless Steel Tags
999992	Certificate of Conformance
106415	Teflon Ferrule Kit, 60 psi max.
106658	Conduit/Wiring Entry Adapter, 3/4" NPT to M20 x 1.5, qty. 2 required per meter
106728	AC to 24VDC Power converter with DIN mounting rail
107698	USB Cable, A-male/micro USB-B male, 6 feet
106958	8 conductor, 18 AWG PVC shielded cable for remote. Specify feet (100' max.)

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Example: FT4X-20P-E3-BH

** Above 2,500 SCFM (4,250 NM3H) consult factory for calibration charge.