

FT3 Insertion Flowmeter/Temperature Transmitter Price List

Fox Confidential

Effective January 1, 2012

MODEL FT3

	Code	Description
Parent Model No.*	FT3	Insertion Mass Flowmeter & Temperature Transmitter
Feature 1: Probe*	04I	Insertion meter with 4-inch probe
"See Calculating Probe Lengths" Below	06I	Insertion meter with 6-inch probe
	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
	30I	Insertion meter with 30-inch probe
	36I	Insertion meter with 36-inch probe
	15R	15" Probe w/ 125 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
	18R	18" Probe w/ 125 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
24R	24" Probe w/ 125 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts	
30R	30" Probe w/ 125 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts	
36R	36" Probe w/ 125 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts	
Adding an "E" after the probe code (i.e. 06IE, 18RE) will provide an equal length sensor. Equal length sensors can be used in pipes as small as 1.5" (40mm). Probes 04I and 15R are shipped standard with equal length sensors.	R1	Crank Retractor 1.5" NPT, 600 PSI, no valve - 316 SS wetted parts**
	R2	Crank Retractor 1.5", 150# flange, no valve - 316 SS wetted parts**
	R3	Crank Retractor 1.5", 300# flange, no valve - 316 SS wetted parts**
	Probes over 36" and flange mounting options	
Feature 2: Sensor Material*	SS	316 stainless wetted parts: sensor, probe and compression fitting
	SH	Hastelloy C-276 sensor and probe; 316 stainless steel compression fitting
	SJ	Hastelloy C-276 sensor and probe; Monel compression fitting
	SL	Hastelloy C-276 sensor and probe; Hastelloy C-276 compression fitting
Feature 3: Sensor Type*	ST	Standard Sensor -40 to 250F (-40 to 121C)
	HT	High Temperature Sensor 32 to 650F (0 to 343C) E3 or E4 required - AIR ONLY
Feature 4: Enclosure*	E1	Local NEMA 4X enclosure, 24VDC powered
	E2	Local NEMA 4X enclosure, 85 to 250VAC powered
	E3	Remote sensor J-box, 24VDC powered, 100' max, cable purchased separately, requires option board
	E4	Remote sensor J-box, 85 to 250VAC power, 100' max, cable purchased separately, requires option board
Feature 5: Display*	D0	No Display & Configuration Panel
	DD	Include Rate/Total Display & Configuration Panel
Feature 6: Option Boards*	B0	Blank option board
Do not specify B0 when ordering a remote sensor.	B1	Isolated 24VDC power + terminal block for remote sensor
	MB	RS485 Modbus (includes isolated 24VDC + terminal block for remote sensor)
	BH	HART (includes isolated 24VDC + terminal block for remote sensor)
Feature 7: Calibration*	G1	Air, Nitrogen: MF less than 1200 SCFM (2040 NM3H)
MF = Maximum Flow Rate Calibration prices listed here are for new flowmeter orders only. Contact Fox for recalibration prices.	G2	Air, Nitrogen: MF above 1200 SCFM (2040 NM3H)
	G3	Argon, Carbon Dioxide, Hydrogen, Methane, Natural Gas, Oxygen: MF less than 1000 SCFM (1700 NM3H)
	G4	Argon, Carbon Dioxide, Hydrogen, Methane, Natural Gas, Oxygen: MF above 1000 SCFM (1700 NM3H)
	G5	Carbon Monoxide, Helium, Ammonia, Propane: MF less than 700 SCFM (1190 NM3H)
	G6	Carbon Monoxide, Helium, Ammonia, Propane: above 700 SCFM (1190 NM3H)
	G7	Biogas, Digester Gas, Flare Gas, Flash Gas, Vent Gas, all other gases

OPTIONS

Part #	Description
104488	Extra Instruction Manual
100657	Stainless Steel Tags
999992	Certificate of Conformance
999995	Chamber of Commerce Certificate of Origin

OPTIONS

Part#	Description
101570	5 conductor, 18 AWG PVC shielded cable for remote. Specify feet (100' max.)
102878	Teflon Ferrule Kit
890000	Flowmeter cleaned and bagged for Oxygen service
104740	Remote Enclosure Mounting Kit

Notes: * The Parent Model Number and one of each Feature must be specified.

Example: FT3-30I-SS-ST-E1-DD-B1-G1

** Retractors R1 - R3: Minimum pipe size is 2" (50mm). Maximum pipe size is 1/2 the pipe diameter + valve dimension cannot exceed 19.5" (495mm)

Insertion flowmeters can be installed on 1.5" (40mm) pipes or larger. Select Inline Flowmeters 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 = 1/2 D + 3" (80mm) + Insulation + Retractor [for codes 15R through 36R, add 10" (203mm)]. Round up to next larger probe available.

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).

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	Code	Description
Parent Model No.*	FT3	Inline Mass Flowmeter & Temperature Transmitter
Feature 1 : Flow Body Size*		316 Stainless steel flowbody
	025P	1/4 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	05P	1/2 inch flow body, male NPT ends (schedule 40) 12" Face to Face
	075P	3/4 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
	40P	4 inch flow body, male NPT ends (schedule 40) 18" Face to Face**
	05F	1/2 inch flow body, 150# RF flanges (schedule 40) 12" Face to Face
	075F	3/4 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**
		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
	40PC	4 inch, male npt ends (schedule 40) ** 24" 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
Feature 2: Sensor Material*	SS	316 stainless steel sensor and compression fitting
	SH	Hastelloy C-276 sensor w/ 316SS compression fitting
Feature 3: Sensor Type*	ST	Standard Sensor -40 to 250F (-40 to 121C)
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890000	Flowmeter cleaned and bagged for Oxygen service
999995	Chamber of Commerce Certificate of Origin
104740	Remote Enclosure Mounting Kit

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 Example: FT3-20P-SS-ST-E1-DD-B1-G1
 ** Above 2,500 SCFM (4,250 NM3H) consult factory for calibration charge.