

FT2 Insertion Flowmeter/Temperature Transmitter Product Configuration Codes

Effective January 1, 2009

	Code	Description
Parent Model No.*	FT2	Insertion Mass Flowmeter & Temperature Transmitter
Feature 1: Probe*	04I	Insertion meter with 4-inch probe [for 1.5" (40mm) & 2" (50mm) pipes]
"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
	Compression fitting included at no charge	R1
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 - Contact Fox
Feature 2: Sensor Material*	SS	316 stainless steel sensor wetted parts
	SH	Hastelloy C-276 sensor & probe 12" or less, 316 SS compression fitting
	SJ	Hastelloy C-276 sensor & probe, Hastelloy C-276 compression fitting
	SL	Hastelloy C-276 wetted parts for probe above 12 inches
Feature 3: Sensor Type*	ST	Standard Sensor -40 to 250F (-40 to 121C)
	HS	High Temperature Sensor 32 to 400F (0 to 204C)
	HT	High Temperature Sensor 32 to 650F (0 to 343C) E3 or E4 required - AIR ONLY
Feature 4: Enclosure*	E1	Local NEMA 4X enclosure, 24 VDC powered
	E2	Local NEMA 4X enclosure, 85 to 250 VAC powered
	E3	Remote with explosion - proof sensor J-box, 24 VDC powered, 100' max, no cable
	E4	Remote with explosion - proof sensor J-box, 85 to 250 VAC power, 100' max, no cable
Feature 5: Display & Config. Panel*	D0	No Display & Configuration Panel
	DD	Include Rate/Total Display & Configuration Panel
Feature 6: Bus Options*	B0	No communication bus
	MB	Modbus - DD REQUIRED
	BD	DeviceNet Bus - DD REQUIRED
	BP	Profibus-DP - DD REQUIRED
	BE	Ethernet - DD REQUIRED
Feature 7: Calibration*	G1	Air, Nitrogen: MF less than 1200 SCFM (2040 NM3H)
	G2	Air, Nitrogen: MF above 1200 SCFM (2040 NM3H)
MF = Maximum Flow Rate Calibration prices listed here are for new flowmeter orders only. Contact Fox for recalibration prices.	G3	Argon, Carbon Dioxide, Hydrogen, Methane, Natural Gas, Oxygen: MF 1000 SCFM (1700 NM3H) or less
	G4	Argon, Carbon Dioxide, Hydrogen, Methane, Natural Gas, Oxygen: MF above 1000 SCFM (1700 NM3H)
	G5	Carbon Monoxide, Helium, Ammonia, Propane, Digester Gas: MF 700 SCFM (1190 NM3H) or less
	G6	Carbon Monoxide, Helium, Ammonia, Propane, Digester Gas: MF above 700 SCFM (1190 NM3H)
	G7	All other gases
Optional	RTC	Non Resettable Totalizer

OPTIONS

Part #	Description
101364	Extra instruction manual
101685	RS232 Transition Board
100657	Stainless Steel Tags
999992	Certificate of Compliance
999995	Chamber of Commerce Certificate of Origin
102878	Teflon Ferrule Kit

OPTIONS

Part#	Description
101570	5 conductor, 18 AWG PVC shielded cable for remote. Specify feet (100' max.)
102299	90 degree elbow kit - makes housing upright in vertical pipes
890000	Flowmeter cleaned and bagged for Oxygen service
101314	Palm PDA inc expansion card, serial cable & Fox config software
102669	EMI Filters (AC for use with E2 & E4) ***
102671	EMI Filters (24 VDC & 4 to 20 mA for use with E1 & E3) ***
102702	EMI Filters (Dual 4 to 20 mA for use with E2 & E4) ***

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

** Retractors R1 - R3: Minimum pipe size is 2" (50mm). Maximum pipe size is 1/2 the pipe diameter + valve dimension cannot exceed 19.5" (500mm)

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" (250mm)]. Round up to next larger probe available.

Quote 4" probe (04I) for 1.5" (40mm) and 2" (50mm) pipes. Do not quote 04I for pipes larger than 2" (50mm).

D = pipe diameter; Insulation = Thickness of insulation (if any); Retractor = Dimension of retractor, if supplied.

Example 1: Pipe ID = 10" (250mm), no insulation or retractor: 5" (125mm) + 3" (80mm) = 8" (200mm). Round up to 9" probe (09I).

Example 2: Pipe ID = 10" (250mm) with retractor, no insulation: 5" (125mm) + 3" (80mm) + 10" (250mm) = 18" (18R).

*** EMI Filter selection:

EMI Filter(s) should be ordered when the flowmeter will be installed in an area where electromagnetic interference (EMI) is present. EMI is generated by ignitor: electric motors, etc. Specify both 102669 (AC EMI filter) and 102702 (4 to 20 mA filter) when you are ordering E2 or E4 (AC powered) and will use th 4 to 20 mA output. Specify 102671 when ordering E1 or E3

FT2 Inline Flowmeter/Temperature Transmitter Product Configuration Codes

Effective January 1, 2009

	Code	Description
Parent Model No.*	FT2	Inline Mass Flowmeter & temperature transmitter
Feature 1 : Probe/Body*	025PN	1/4 inch 316ss flow body with male npt ends (schedule 40); Very low flow
	025P	1/4 inch 316ss flow body with male npt ends (schedule 40)
	05P	1/2 inch 316ss flow body with male npt ends (schedule 40)
	075P	3/4 inch 316ss flow body with male npt ends (schedule 40)
	10P	1 inch 316ss flow body with male npt ends (schedule 40)
	125P	1.25 inch 316ss flow body with male npt ends (schedule 40)
	15P	1.5 inch 316ss flow body with male npt ends (schedule 40)
	20P	2 inch 316ss flow body with male npt ends (schedule 40)
	25P	2.5 inch 316ss flow body with male npt ends (schedule 40)
	30P	3 inch 316ss flow body with male npt ends (schedule 40)
	40P	4 inch 316ss flow body with male npt ends (schedule 40) **
	05F	1/2 inch 316ss flow body with 150# RF flanges (schedule 40)
	075F	3/4 inch 316ss flow body with 150# RF flanges (schedule 40)
	10F	1 inch 316ss flow body with 150# RF flanges (schedule 40)
	125F	1.25 inch 316ss flow body with 150# RF flanges (schedule 40)
	15F	1.5 inch 316ss flow body with 150# RF flanges (schedule 40)
	20F	2 inch 316ss flow body with 150# RF flanges (schedule 40)
	25F	2.5 inch 316ss flow body with 150# RF flanges (schedule 40)
	30F	3 inch 316ss flow body with 150# RF flanges (schedule 40)
	40F	4 inch 316ss flow body with 150# RF flanges (schedule 40) **
	60F	6 inch 316ss flow body with 150# RF flanges (schedule 40) **
		300# RF flanges - Contact Fox
	Feature 2: Sensor Material*	SS
SJ		Hastelloy C-276 sensor w/ 316SS flow body & compression fitting
SL		Hastelloy C-276 all wetted parts
Feature 3: Sensor Type*	ST	Standard Sensor -40 to 250F (-40 to 121C)
	HS	High Temperature Sensor 32 to 400F (0 to 204C)
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	G5	Carbon Monoxide, Helium, Ammonia, Propane, Digester Gas: MF 700 SCFM (1190 NM3H) or less
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Notes: * The Parent Model Number and one of each Feature must be specified.

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

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