FT4A Insertion Flow Meter
MODEL CODES

MODEL FT4A INSERTION METER

	Code	Description
Parent Model No.*	FT4A	Insertion Mass Flow Meter, display, 4 to 20 mA and USB outputs standard

	Code	Description
Feature 1: Probe*	06I	Insertion meter with 6-inch probe with 1" NPT compression fitting
	09I	Insertion meter with 9-inch probe with 1" NPT compression fitting
See "Calculating Probe Lengths" Below	12I	Insertion meter with 12-inch probe with 1" NPT compression fitting
	15I	Insertion meter with 15-inch probe with 1" NPT compression fitting
	18I	Insertion meter with 18-inch probe with 1" NPT compression fitting
Compression fitting included at no charge	24I	Insertion meter with 24-inch probe with 1" NPT compression fitting
	30I	Insertion meter with 30-inch probe with 1" NPT compression fitting
	36I	Insertion meter with 36-inch probe with 1" NPT compression fitting
	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

	Code	Description
Feature 2: Outputs*	P1	4 to 20mA + Pulse Output
	BH	4 to 20mA/HART + Pulse Output
	RS	4 to 20mA + RS 485 (Modbus RTU)

OPTIONS

Part #	Description
108046	1.5" FC10 SS Flow Conditioner**
108047	2" FC10 SS Flow Conditioner**
108048	2.5" FC10 SS Flow Conditioner**
108049	3" FC10 SS Flow Conditioner**
108050	4" FC10 SS Flow Conditioner**
108051	5" FC10 SS Flow Conditioner**
108052	6" FC10 SS Flow Conditioner**
108053	8" FC10 SS Flow Conditioner**
108054	10" FC10 SS Flow Conditioner**

OPTIONS

Part#	Description
890000	Flow meter cleaned and bagged for Oxygen service
999992	Certificate of Conformance
999995	Certificate of Origin
107265	Extra FT4A instruction manual
104870	USB Cable, A-male/mini USB-B male, 6 feet
106415	Teflon Ferrule Kit, 60 PSI max.
100657	Stainless Steel Tags
106728	24VDC power supply with DIN mounting rail
106658	Conduit Entry Adapter, 3/4" NPT to M20x1.5

NOTES: *   The Parent Model Number and one of each Feature must be specified.
Example: FT4A-09I-RS
** FC10 Flow Conditioners are designed for use in schedule 40 pipes only

Insertion flow meters can be installed in 1.5" pipes or larger.
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 pipe diameter (D) + 3" + insulation + retractor (for codes 15R through 36R, add 10"). Round up to next larger probe available.
D = pipe diameter; Insulation = Thickness of insulation (if any); Retractor = Dimension of retractor (10"), if supplied.
Example 1: Pipe ID = 10", no insulation or retractor: 5" + 3" = 8". Round up to 9" probe (09I).
Example 2: Pipe ID = 10" with retractor, no insulation: : 5" + 3" + 10"(retractor) = 18" (18R probe with retractor).

FT4A Inline Flow Meter
MODEL CODES

MODEL FT4A INLINE METER

Feature Codes	Code	Description
Parent Model No.*	**FT4A**	**Inline Mass Flow Meter**

Feature Codes	Code	Description
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 Codes	Code	Description
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	RS	4 to 20mA + RS 485 (Modbus RTU)

OPTIONS

Part#	Description
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999992	Certificate of Conformance
106415	Teflon Ferrule Kit, 60 psi max.
106658	Conduit Entry Adapter, 3/4" NPT to M20x1.5
106728	AC to 24VDC Power converter with DIN mounting rail
104870	USB Cable, A-male/mini USB-B male, 6 feet

Notes: *   The Parent Model Number and one of each Feature must be specified.
Example: FT4A-20P-BH

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