



FT4A Insertion Flow Meter
MODEL CODES

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MODEL FT4A INSERTION METER

	Code	Description
Parent Model No.*	FT4A	Insertion Mass Flow Meter, display, 4 to 20 mA and USB outputs standard
Feature 1: Probe*	06I	Insertion meter with 6-inch probe with 1" NPT compression fitting
<div style="border: 1px dashed black; padding: 5px; margin-bottom: 5px;">See "Calculating Probe Lengths" Below</div> <div style="border: 1px dashed black; padding: 5px;">Compression fitting included at no charge</div>	09I	Insertion meter with 9-inch probe with 1" NPT compression fitting
	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
	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	
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
107265	Extra FT4A instruction manual
999995	Certificate of Origin
999992	Certificate of Conformance
100657	Stainless Steel Tags

OPTIONS

Part#	Description
890000	Flow meter cleaned and bagged for Oxygen service
104870	USB Cable, A-male/mini USB-B male, 6 feet
106415	Teflon Ferrule Kit, 60 PSI max.
106728	24VDC power supply with DIN mounting rail
106658	Conduit Entry Adapter, 3/4" NPT to M20x1.5, qty. 2 required per meter

NOTES: * The Parent Model Number and one of each Feature must be specified.
Example: FT4A-09I-RS

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).

MODEL FT4A INLINE METER

Feature Codes	Code	Description
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Parent Model No.*	FT4A	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: Outputs*	Code	Description
P1	4 to 20mA + Pulse Output	
BH	4 to 20mA/HART + Pulse Output	
RS	4 to 20mA + RS 485 (Modbus RTU)	

OPTIONS

Part#	Description
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999995	Certificate of Origin
107265	Extra Instruction Manual
100657	Stainless Steel Tags
999992	Certificate of Conformance
106415	Teflon Ferrule Kit, 60 psi max.
106658	Conduit Entry Adapter, 3/4" NPT to M20x1.5, qty. 2 required per meter
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.