

Model 10A Insertion Flow Meter Model Codes

Effective August 1, 2011

	Code	Description
Parent Model No.*	10A	Insertion Mass Flow Meter with Display and Configuration Panel
Feature 1: Probe*	04I	Insertion meter with 4-inch probe (1.5" & 2" pipes)
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">See "Calculating Probe Length" Below</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Compression fitting included at no charge</div> <div style="border: 1px solid black; padding: 5px;">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.</div>	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/ 150 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
	18R	18" Probe w/ 150 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
	24R	24" Probe w/ 150 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
	30R	30" Probe w/ 150 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
	36R	36" Probe w/ 150 PSI retractor & full port valve - 3/4" male NPT, 316 SS wetted parts
	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**
Feature 2: Sensor Material*	SSS	316 stainless steel sensor wetted parts
	SHS	Hastelloy C-276 sensor & probe w/ 316SS compression fitting, 12" max.
	SHL	Hastelloy C-276 wetted parts for probe above 12 inches
Feature 3: Enclosures*	ELE	Local explosion-proof enclosure, 24VDC powered
	ERD	Remote Exp. Proof encl; 24VDC; 500' max; no cable; see options
	ERA	Remote NEMA 4X encl; 85-250VAC input; 500' max; no cable; see options
		NOTE: ERA is not FM or CSA approved
Feature 4: Sensor Type*	ST	Standard Sensor -40 to 250F (-40 to 121C)
	HS	High Temperature Sensor 32 to 400F (0 to 204C)
Feature 5: Label Codes*	SM	SCFM
	SH	SCFH
	NH	NM ³ /HR
	KH	KG/HR
	LH	LB/HR
	LM	LB/MIN
	NL	NLPM
	SL	SLPM
	SD	SCFD
Feature 6: Agency Approval*	NAA	No Agency Approval
	FM	FM approved; see data sheet; 18 inch probe maximum
	CSA	CSA approved; see data sheet; 36 inch probe maximum
Feature 7: Calibration*	G1	Air, N2: MF less than 1200 SCFM (2040 NM3H)
<div style="border: 1px solid black; padding: 5px;">MF = Maximum Flow Rate Calibration prices listed here are for new flow meter orders only. Contact Fox for recalibration prices.</div>	G2	Air, N2: MF above 1200 SCFM (2040 NM3H)
	G3	Ar, CO2, H2, CH4, Natural Gas, O2: MF less than 1000 SCFM (1700 NM3H)
	G4	Ar, CO2, H2, CH4, Natural Gas, O2: MF above 1000 SCFM (1700 NM3H)
	G5	CO, He, Ammonia, Propane, Digester Gas: MF less than 700 SCFM (1190 NM3H)
	G6	CO, He, Ammonia, Propane, Digester Gas: MF above 700 SCFM (1190 NM3H)
	G7	All other gases

OPTIONS

Part #	Description
100133	Extra instruction manual
100657	Stainless Steel Tags
999992	Certificate of Conformance
999995	Chamber of Commerce Certificate of Origin
102878	Teflon Ferrule Kit

OPTIONS

Part#	Description
100426	2 conductor, 18 AWG PVC cable for remote. Specify feet.
100585	Power supply, 85-250VAC in; 24VDC output - indoor
100506	Power supply, 85-250VAC in; 24VDC out in NEMA 4X enclosure
890000	Flow meter cleaned and bagged for Oxygen service

NOTES:

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

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

Insertion flow meters can be installed on 1.5" pipes or larger. Quote Inline Flow meters for pipes smaller than 1.5".

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" + Insulation + Retractor (for codes 15R through 36R, add 10"). 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".

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

Example: 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).

**Model 10A Inline Flow Meter
Model Codes**

Effective August 1, 2011

	Code	Description
Parent Model No.*	10A	Inline Mass Flow Meter with Display and Configuration Panel
Feature 1 : Flowbody*		316 Stainless steel flowbody
	025P	1/4 inch, male npt ends (schedule 40) 5.8" Face-to-face
	05P	1/2 inch, male npt ends (schedule 40) 12" Face-to-face
	075P	3/4 inch, male npt ends (schedule 40) 12" Face-to-face
	10PS	1 inch, male npt ends (schedule 40) 12" Face-to-face
	125P	1.25 inch, male npt ends (schedule 40) 12" Face-to-face
	15P	1.5 inch, male npt ends (schedule 40) 12" Face-to-face
	20P	2 inch, male npt ends (schedule 40) 12" Face-to-face
	25P	2.5 inch, male npt ends (schedule 40) 18" Face-to-face
	30P	3 inch, male npt ends (schedule 40) 18" Face-to-face
	40P	4 inch, male npt ends (schedule 40) ** 18" Face-to-face
	05F	1/2 inch, 150# RF flanges (schedule 40) 12" Face-to-face
	075F	3/4 inch, 150# RF flanges (schedule 40) 12" Face-to-face
	10FS	1 inch, 150# RF flanges (schedule 40) 12" Face-to-face
	125F	1.25 inch, 150# RF flanges (schedule 40) 12" Face-to-face
	15F	1.5 inch, 150# RF flanges (schedule 40) 12" Face-to-face
	20F	2 inch, 150# RF flanges (schedule 40) 12" Face-to-face
	25F	2.5 inch, 150# RF flanges (schedule 40) 18" Face-to-face
	30F	3 inch, 150# RF flanges (schedule 40) 18" Face-to-face
	40F	4 inch, 150# RF flanges (schedule 40) ** 18" Face-to-face
	60F	6 inch, 150# RF flanges (schedule 40) ** 24" Face-to-face
		A106 Grade B carbon steel flowbody (+ 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*	SSS	316 stainless steel wetted parts
	SHS	Hastelloy C-276 sensor w/ 316SS flow body & compression fitting
Feature 3 : Enclosures*	ELE	Local explosion-proof enclosure, 24vdc powered
	ERD	Remote exp. proof encl; 24vdc; 500' max; no cable; see options
	ERA	Remote NEMA 4X enclosure; 85-250VAC input; 500' max; no cable
		Note: ERA is not FM or CSA approved
Feature 4 : Sensor Type*	ST	Standard Sensor -40 to 250F (-40 to 121C)
	HS	High Temperature Sensor 32 to 400F (0 to 204C)
Feature 5 : Label Codes*	SM	SCFM
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	LM	LB/MIN
	NL	NLPM
	SL	SLPM
	SD	SCFD
Feature 5 : Agency Approval*	NAA	No Agency Approval
	FM	FM approved for Hazardous Areas; see data sheet.
	CSA	CSA approved for Hazardous Areas; see data sheet.
Feature 6 : Calibration*	G1	Air, N2: MF less than 1200 SCFM (2040 NM3H)
	G2	Air, N2: MF above 1200 SCFM (2040 NM3H)
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	G6	CO, He, Ammonia, Propane, Digester Gas: MF above 700 SCFM (1190 NM3H)
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999995	Chamber of Commerce Certificate of Origin

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Part#	Description
100426	2 conductor, 18 AWG PVC cable for remote. Specify feet.
100585	Power supply, 85-250VAC in; 24VDC output - indoor
100506	Power supply, 85-250VAC in; 24VDC out in NEMA 4X enclosure
890000	Flow meter cleaned and bagged for Oxygen service

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.