

Model 10A Insertion Flowmeter Product Configuration Codes

Effective January 1, 2009

	Code	Description
Parent Model No.*	10A	Insertion Mass Flowmeter with Display and Configuration Panel
Feature 1: Probe*	04I	Insertion meter with 4-inch probe (1.5" & 2" pipes)
See "Calculating Probe Length" 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
	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*	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; 115/230vac; 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: Lable Codes*	SM	SCFM
	SH	SCFH
	NH	NM³/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)
MF = Maximum Flow Rate	G2	Air, N2: MF above 1200 SCFM (2040 NM3H)
	G3	Ar, CO2, H2, CH4, Natural Gas, O2: MF < 1000 SCFM (1700 NM3H)
	G4	Ar, CO2, H2, CH4, Natural Gas, O2: MF > 1000 SCFM (1700 NM3H)
	G5	CO, He, AMMONIA, PROPANE, DIG. GAS: MF less than 700 SCFM (1190 NM3H)
	G6	CO, He, AMMONIA, PROPANE, DIG. GAS: above 700 SCFM (1190 NM3H)
	G7	All other gases

OPTIONS

Part #	Description
100133	Extra instruction manual
100657	Stainless Steel Tags
999992	Certificate of Compliance
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, 115vac in; 24vdc output - indoor
100506	Power supply, 115vac in; 24vdc out in NEMA 4X enclosure
890000	Flowmeter 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 flowmeters can be installed on 1.5" pipes or larger. Quote Inline Flowmeters 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 Flowmeter Product Configuration Codes

Effective January 1, 2009

	Code	Description
Parent Model No.*	10A	In Line Mass Flowmeter with Display and Configuration Panel
Feature 1 : Flowbody*	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) **
		Contact Fox for 300# flange options & flowbodies made of tubing
Feature 2 : Sensor Material*	SSS	316 stainless steel wetted parts
	SHS	Hastelloy C-276 sensor w/ 316SS flow body & compression fitting
	SHF	Hastelloy C-276 all wetted parts
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; 115/230vac; 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 : Lable 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)
	G3	Ar, CO2, H2, CH4, Natural Gas, O2: MF < 1000 SCFM (1700 NM3H)
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** Above 2,500 SCFM (4,250 NM3H) consult factory for calibration charge.