

Eldridge Product, Inc. - Inline Model MP Series: 80xx, 81xx, 86xx, 87xx - High Purity

Model Number Format

Note, all wetted parts 316L SS unless otherwise specified

Features

1				2		3		4		5		6					
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		
7				8		9		10		Option 1		Option 2		Option 3		Option 4	
A				B (Optional)		C (Optional)		D (Optional)									

1 - Meter Type	
A	
80	Remote Electronics, (Inline series up to 1")
81	Remote Electronics, (Inline series > 1")
86	Integral Electronics, (Inline series up to 1")
87	Integral Electronics, (Inline series > 1")
B - 80xx & 86xx Series	
36	Flow Body, 1/4" Conduit x 6" Long
49	Flow Body, 3/8" Conduit x 6" Long
59	Flow Body, 1/2" Conduit x 7" Long
69	Flow Body, 3/4" Conduit x 7" Long
89	Flow Body, 1" Conduit x 8" Long
B - 81xx & 87xx Series	
10	Flow Body, 1-1/4" Conduit x 10" Long
12	Flow Body, 1-1/2" Conduit x 14" Long
16	Flow Body, 2" Conduit x 14" Long
20	Flow Body, 2-1/2" Conduit x 14" Long
24	Flow Body, 3" Conduit x 14" Long
32	Flow Body, 4" Conduit x 14" Long
C	
MP	Ex-Proof for Hazardous, Area Locations
D	
-INT	Integral Electronics
-DCEX	Remote Explosion-proof enclosure for DC PWR
-ACEX	Remote Explosion-proof enclosure for AC PWR

* Consult factory for larger sizes

2 - Sensor	
-SSS	Up to 400°F based on Feature 5 (No VCR Sensor. See 800HPx series if VCR sensor is required)

3 - Display	
-000	NO Display Indicator
-133	Display and Keypad, 2-line 16 character display/4-button keypad

4 - Power	
-DC24	24 VDC (Standard)
-AC115	115 VAC
-AC230	230 VAC

5 - Maximum Process Gas Temperature	
-MW050	Gas Temperature Maximum (122°F / 50°C)
-MW075	Gas Temperature Maximum (167°F / 73°C)
-MW100	Gas Temperature Maximum (212°F / 100°C)
-MW125	Gas Temperature Ambient to (257°F / 125°C)

* Consult factory for higher temperatures

6 - Flow Body Assembly (Diameter of assembly must match Feature 1B flow body)	
A (Type)	
-T65	- Tube: wall 0.065"
-T83	- Tube: wall 0.083"
-J55	- JIS - Schedule 5
B (Diameter)	
04	1/2" Flow body assembly (T65, J55 15A)
06	3/4" Flow body assembly (T65, J55 20A)
08	1" Flow body assembly (T65, J55 25A)
10	1-1/4" Flow body assembly (J55 32A)
12	1-1/2" Flow body assembly (T65, J55 40A)
16	2" Flow body assembly (T65, J55 50A)
20	2-1/2" Flow body assembly (J55 65A)
24	3" Flow body assembly (T83, J55 80A)
32	4" Flow body assembly (T83, J55 100A)
C (Ends)	
B	Butt ends
V	(2) VCR end connectors (T65, Sizes 04 through 08)
T	(2) TRI clamp end connector (T65, T83, Sizes 08 through 32)
D (Conditioning Screens)	
P0	No conditioning screens
P2	Two conditioning screens (Not available for 1/2" tube)
E (Ra Finish)	
AP25+	>25 µIn Ra finish, Inner Diameter
BA25	25 µIn Ra max finish, Inner Diameter
EP10	10 µIn Ra max finish, Inner Diameter

* Consult factory for larger sizes

* DN Flanges supplied by customer, consult factory

* Consult factory for additional hardware options

7 - Gas Range	
-1RC	1 gas range as standard.
-2RC	2 selectable full scale flow ranges. Requires common gas curve.
-3RC	3 selectable full scale flow ranges. Requires common gas curve.
-4RC	4 selectable full scale flow ranges. Requires common gas curve.
-2RG	2 selectable flow rate ranges. Integral meters only. Different gases.
-3RG	3 selectable flow rate ranges. Integral meters only. Different gases.
-4RG	4 selectable flow rate ranges. Integral meters only. Different gases.

B - Calibration Gases	
A (Range 1)	
-AIR	Air calibration
-AR	Argon (AR) calibration
-C2H4	Ethylene (C2H4) calibration
-C2H6	Ethane (C2H6) calibration
-C3H8	Propane (C3H8) calibration
-CH4	Methane (CH4) calibration
-CO2	Carbon Dioxide (CO2) calibration
-He	Helium (HE) calibration
-N2	Nitrogen calibration
-NG	Natural Gas (Methane as best estimated gas substitute) calibration
-O2	O2 (Air Substitute) calibration
Mix	** Consult Factory
B (Range 2 - Optional - Based on Feature 7 selection)	
Select Gas (Same as above)	
C (Range 3 - Optional - Based on Feature 7 selection)	
Select Gas (Same as above)	
D (Range 4 - Optional - Based on Feature 7 selection)	
Select Gas (Same as above)	

9 - Certificate	
-AT2	ATEX T2 for Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-AT3	ATEX T3 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-AT4	ATEX T4 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-CT2	CT2: CSA/CUS T2 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-CT3	CT3: CSA/CUS T3 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-CT4	CT4: CSA/CUS T4 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-IT2	IT2: IECEx T2 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-IT3	IT3: IECEx T3 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-IT4	IT4: IECEx T4 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-KT2	KT2: KOSHA T2 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-KT3	KT3: KOSHA T3 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-KT4	KT4: KOSHA T4 Approved Meter; Approved for remote only with ACEX or DCEX (Feature 1)
-NA	No Approvals / Certifications

10 - Protocol	
-MB	RS485 Modbus RTU
-BN	BACnet
-MB/HT	RS485 Modbus RTU & HART communications module
-MB/PB	RS485 Modbus RTU & Profibus DP

Extra Options	
-CBL4	Wire used between Flow Element and Remote Transmitter. Additional 4-wire cable length
-COO	Certificate of Origin notarized by Monterey, CA Chamber of Commerce
-CTP	Calibration Test Points
-MMR	Mill Material Report - Priced per order (Excludes sensor)
-O2CLN	Certified Oxygen Clean and Bag with Certificate
-TAG	Stainless steel identification tag (Provide Tag ID)