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a DwyerOmega brand

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FS10 i - ☐ ☐ ☐ ☐

Block No.   1   2   3   4

INSTRUCTIONS: To order an **FS10i** flow meter please fill in each numbered block above by selecting required codes from the corresponding categories below. Use of any "W" or "∗" codes requires prior approval from FCI. For special data, documentation, test reports or required quality reports, refer to FCI's Engineering and Quality Assurance Order Information Sheets (OIS).

Code	[BLOCK 1] Process Connection and "U" Length
In-Line	
L	1" FNPT, 150 lb pipe tee [5, 7]
M	2" FNPT, 150 lb pipe tee [5, 7]
Insertion, "U" Length	
E	1/2" NPT compression fitting with Teflon ferrule; 6" [152 mm] length
F	1/2" NPT compression fitting with metal ferrule; 6" [152 mm] length
J	1/2" NPT compression fitting with Teflon ferrule; 12" [305 mm] length
K	1/2" NPT compression fitting with metal ferrule; 12" [305 mm] length
W	Other, agency approved, customer specified

Code	[BLOCK 2] Power and Signal Output Connection Type
2	M12 connector only *No cable supplied* [1]
1	Fixed, watertight cable gland to wire pigtail; 15' [5 m] [4]
W	Other, agency approved, customer specified

Code	[BLOCK 3] Gas Medium and Calibration
In-Line [5]	
B	Air [5]
H	Compressed air [5]
1	Natural gas [5] *Use if Block 1 Code is L*
2	Natural gas [5] *Use if Block 1 Code is M*
Insertion [6]	
A	Air calibration [6]
5	Air calibration; with extended temperature compensation [6]
7	Compressed air calibration [6]
6	Compressed air calibration; with extended temperature compensation [6]
3	Natural gas; 1.25 SFPS to 125 SFPS [0,4 NMPS to 38 NMPS] [6]
4	Natural gas; 4 SFPS to 400 SFPS [1,2 NMPS to 122 NMPS] [6]
W	Other fluid, agency approved

Code	[BLOCK 4] Agency Approvals *CE Marking always included*
0	None; CE Marking only
1	FM, FMc [2]
3	ATEX, IECEx [2]
5	EAC / TR CU [2]
∗	Other *Contact FCI for other approvals and conditions of use*

(continued next page)

Notes

1. Connecting cable to be customer supplied, or select from Accessories list and order as separate item.

2. Approvals for hazardous area are Division 2 / Zone 2 + Zone 22; see specifications for details.

4. Cannot be selected with ATEX, IECEx, or EAC/TR CU approval *(i.e. if Block 2 is Code 1, then Block 4 cannot be Code 3 or 5)*.

5. **In-line Type**

Block 1 Code	Block 3 Code	Description	Flow Range	Pressure Service	Temperature Compensation
L	**B**	1 inch, in-line, air	1 SCFM to 50 SCFM [1,6 NCMH to 80 NCMH]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
L	**H**	1 inch, in-line, compressed air	1.5 SCFM to 150 SCFM [2,4 NCMH to 240 NCMH]	50 psi(a) to 165 psi(a) [3,5 bar(a) to 11,4 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
L	**1**	1 inch, in-line, natural gas	1 SCFM to 50 SCFM [1,6 NCMH to 80 NCMH]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
M	**B**	2 inch, in-line, air	2 SCFM to 200 SCFM [3,2 NCMH to 320 NCMH]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
M	**H**	2 inch, in-line, compressed air	4 SCFM to 400 SCFM [6,4 NCMH to 640 NCMH]	50 psi(a) to 165 psi(a) [3,5 bar(a) to 11,4 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
M	**2**	2 inch, in-line, natural gas	2 SCFM to 200 SCFM [3,2 NCMH to 320 NCMH]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]

6. **Insertion Type**

Block 1 Code	Block 3 Code	Description	Flow Range	Pressure Service	Temperature Compensation
E, F, J, or K	**A**	Insertion, air	1.25 SFPS to 125 SFPS [0,4 NMPS to 38 NMPS]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Standard, 40 °F to 100 °F [4 °C to 38 °C]
	5	Insertion, air	1.25 SFPS to 125 SFPS [0,4 NMPS to 38 NMPS]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
	7	Insertion, compressed air	4 SFPS to 400 SFPS [1,2 NMPS to 122 NMPS]	50 psi(a) to 165 psi(a) [3,5 bar(a) to 11,4 bar(a)]	Standard, 40 °F to 120 °F [4 °C to 49 °C]
	6	Insertion, compressed air	4 SFPS to 400 SFPS [1,2 NMPS to 122 NMPS]	50 psi(a) to 165 psi(a) [3,5 bar(a) to 11,4 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
	3	Insertion, natural gas	1.25 SFPS to 125 SFPS [0,4 NMPS to 38 NMPS]	10 psi(a) to 50 psi(a) [0,7 bar(a) to 3,5 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]
	4	Insertion, natural gas	4 SFPS to 400 SFPS [1,2 NMPS to 122 NMPS]	50 psi(a) to 165 psi(a) [3,5 bar(a) to 11,4 bar(a)]	Extended, 30 °F to 180 °F [-1 °C to 82 °C]

7. CMTRs are not available for 150 LB Pipe Tee provided with codes "L" or "M" in Block 1.

Accessories

Part Number	Description
M12 Connecting Cables [1] M12(f)-to-pigtails with wire markers. 8-wire w/ground. Polyurethane jacket. (For use with FS10 Series with order Block 2 = Code 2)	
022474-A02	2 m [6'] length
022474-A05	5 m [15'] length
022474-A10	10 m [30'] length
RS-232 Connection Dongles* (3-wire termination. DB9(f) breakout). Includes GND points for power supply and mA output (except M12 field tap)	
* A dongle kit including both DIN rail and panel mounting items is supplied with every FS10i flow meter.	
Replacement Dongles	
028267-01	DIN rail mounting*
028267-02	Panel mounting; adhesive-backed standoffs*
Optional Dongles	
028267-03	Wall plate mounting (fits 1 gang USA wall box)
027604-01	M12 field tap (for temporary use only. Requires the M12 connection on the FS10i, order Block 2, Code = 2)
Premium Connection Interface Modules – Full 8-wire termination and DB9(f) breakout	
028266-01	DIN rail mounting, non-isolated mA output
028266-02	DIN rail mounting, with isolated mA output
028266-03	Panel mounting, with non-isolated mA output
028266-04	Panel mounting, with isolated mA output
RS-232-to-USB (Type A) Adapter (includes driver software)	
027277-01	DB9 (m) with thumb-screws (for use with FS10i flow meter. Works with all dongles and connection interface modules.)

Notes

1. Connecting cable to be customer supplied, or select from Accessories list and order as separate item.