

**DFM-IV Doppler Flow Meter**

Approximate shipping weight: 10lbs / 4.5 kg

Model

DFM-IV - - - - -

**STANDARD FEATURES:**

- SE3 sensor – strap-on, single head ultrasonic for 0.5" to 180" (12.5 mm to 4.5 m) ID pipes
- sensor cable – 20 ft / 6 m shielded coaxial pair
- installation - Silicone sensor compound kit
- PC3 Sensor mounting clamp for 0.6" - 32" (15 - 800 mm) OD pipes
- enclosure - watertight, NEMA4X (IP66) polycarbonate
- displays - Flow Rate - large 4-digit LCD  
- Totalizer/Menu/Status - 16-digit alphanumeric
- calibration - built-in 3-key programmer
- sensitivity - keypad adjustable
- output - isolated 4-20mA (1000 ohm)
- 3 control relays - 5 amp, SPDT - programmable for flow proportional pulse output, and/or flow alarm
- back flow rejection -external relay input
- power input - 24VDC, 12VDC (Battery Power)
- electrical surge protection and RFI filters - AC, sensor, 4-20mA
- 1 Manual - Installation and Operation

<b>POWER INPUT</b>		
24VDC		C
12VDC (Battery Power)		D

<b>ENCLOSURE</b> Standard NEMA4X (IP66) fiberglass		1
CXJ8106 - Explosion proof NEMA7		2

<b>ENCLOSURE TEMPERATURE</b> Standard (-5° to 140°F / -20° to 60°C)		A
Heater and Thermostat (AC only, 15 watts)		B

<b>ELECTRONICS PROTECTION</b> Standard - no circuit board coating		1
Conformal Coating ("tropicalized") for humid atmospheres		2

**SENSOR** (each with 20 ft / 6 m shielded coaxial cable)

SE3 standard Sensor (for 0.5" / 12.5 mm to 180" (4.5 m) ID pipes)		A
SE3H High temperature (up to 302°F / 150°C) for 1" / 25 mm ID pipes or larger		C
DSE3 Dual Head Sensor (for 0.5" / 12.5 mm ID pipes or larger)		D
ISE6 Insertion Sensor (6" / 150 mm length)		E
ISE12 Insertion Sensor (12" / 300 mm length)		F

**INTRINSIC SAFETY BARRIER** (built into electronics enclosure)

Standard, General Purpose locations, not rated Intrinsically Safe		1
2ISB Intrinsic Safety Barriers (2) for SE2 or DSE2 Sensor installation in Class I,II,III, Div. I,II, Groups C,D,E,F,G		2

**SENSOR CABLE LENGTH**

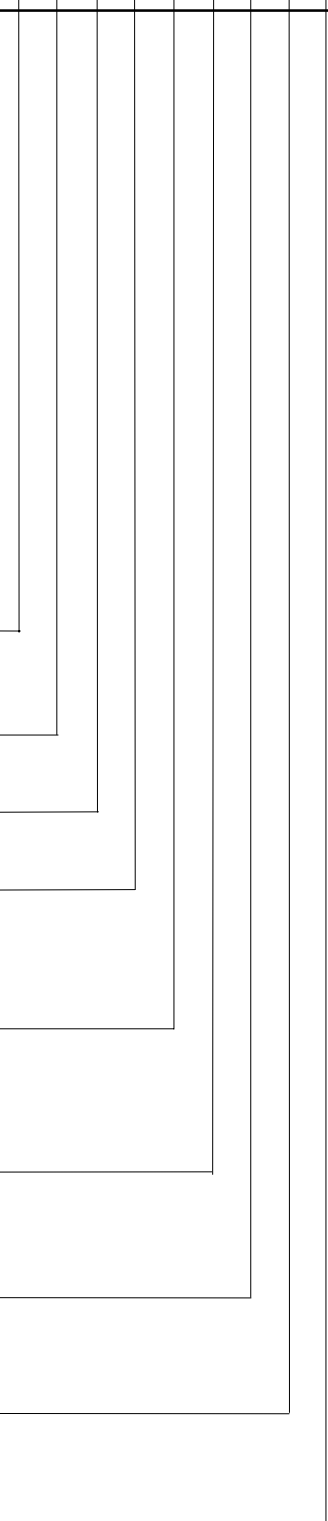
Standard 20 ft. 6m shielded coaxial pair		A
50 ft / 15 m continuous shielded coaxial pair		B

**DATA LOGGER**

None - Standard		1
Greyline Logger - 50,000 point Data Logger (built-in with RS232C, PC software)		4
Greyline Logger - 50,000 point Data Logger (built-in with RS485, PC software)		5

**ADDITIONAL CONTROL RELAYS**

3 - Standard		A
2 Extra Relays rated 5 amp SPDT programmable for flow alarm or pulse		B



**OPTIONS AND ACCESSORIES**

QTY	CODE	DESCRIPTION	
	DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair)	
	DJB	Sensor cable Junction Box, NEMA4 steel	
	PM	Panel Mount Flange assembly	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	CHS	Spare set Electronics with Mounting Chassis	
	PC3	Extra Sensor Mounting Clamp for 0.6 - 32 in (15 - 800 mm) OD pipes	
	CC	Dow Corning Silicone Compound 150 g. (5.3 oz) tube	
	AP-1W	High Temperature Coupling Compound 56 g. (2 oz)	
	MNL	Additional Manuals (One supplied with each unit)	
	SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure	
	485OICR-12V	RS232/RS485 Converter	

**REPLACEMENT SENSORS** (each with 20 ft. / 6 m shielded coaxial pair)

\* Provide Instrument Serial number when ordering replacements

	SE3	Standard Sensor (for 0.5" / 12.5 mm ID pipes or larger)	
	SE3H	High temperature (up to 302°F / 150°C) for 0.5" / 12.5 mm ID pipes or larger	
	DSE3	Dual Head Sensor (for 0.5" / 12.5 mm ID pipes or larger)	
	ISE6	Insertion Sensor (6" 150 mm length)	
	ISE12	Insertion Sensor (12" 300 mm length)	

**SPECIAL SYSTEMS**

	MUX12	12 Sensor Switch in NEMA4X (IP66) polycarbonate enclosure accepts digital control signal input to switch Sensors	
	MUX12-N7	12 Sensor Switch in NEMA7 Explosion proof enclosure	
	SE3	Standard Sensor for 0.5" / 12.5 mm ID pipes or larger (maximum 12)	
	SE3-2ISB	Sensor with Intrinsic Safety Barriers for hazardous rated locations	

Standardowa dostawa : 3-4 tygodnie (+ 10% dla RUSH - przyspieszona dostawa 2-3 tygodnie)

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