

DFM 5.1 Doppler Flow Meter

Approximate shipping weight: 11 lbs / 6.3 kg

Model

DFM 5.1 - - - - -

STANDARD FEATURES:

- SE4-A sensor - clamp-on, single head ultrasonic for 0.5" to 180" (12.7 mm to 4.5 m) ID pipes
- sensor cable - 20 ft / 6 m shielded coaxial pair
- flow rate range: ± 0.1 to 40 ft/sec (± 0.03 to 12.2 m/sec)
- installation - Silicone sensor compound kit
- PC4 Sensor mounting clamp for 0.6" - 32" (15 - 800 mm) OD pipes
- enclosure - watertight, NEMA4X (IP66) polyester and polycarbonate
- display - White, backlit matrix
- totalizer - 12 digit
- calibration - built-in 5-key programmer
- sensitivity - keypad adjustable
- output - isolated 4-20mA (1000 ohm)
- 2 control relays - 5 amp, SPDT - programmable for flow proportional pulse output, and/or flow alarm
- power input - 100-240VAC 50/60Hz, 3 Watts maximum
- electrical surge protection and RFI filters - AC, sensor, 4-20mA
- 1 Manual - Installation and Operation

POWER INPUT Standard 100-240VAC 50/60Hz		A
9-32VDC		B
ENCLOSURE Standard NEMA4X (IP66) polycarbonate		1
CXJ8106 – Explosion Proof NEMA7 (non-returnable & non-refundable)		2
ENCLOSURE TEMPERATURE Standard (-5° to 140°F / -20° to 60°C)		A
Heater and Thermostat, 115VAC, 15 Watts		B
Heater and Thermostat, 230VAC, 15 Watts		C
ELECTRONICS PROTECTION Standard		1
SENSOR (each with 20 ft / 6 m shielded coaxial cable)		
SE4-A standard strap-on Sensor (for 0.5" / 12.5 mm to 180" (4.5 m) ID pipes)		A
INTRINSIC SAFETY		
Standard, SE4 Sensor rated non-incendive for Div 2, Groups A,B,C,D		1
2ISB Intrinsic Safety Barriers for SE4 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
100 ft / 30 m continuous shielded coaxial pair		C
DATA LOGGER		
None – Standard		1
Greyline Logger – 2 million point Data Logger (with USB output, PC software)		2
CONTROL RELAYS		
2 – Standard		A
4 Extra Relays (6 total) rated 5 amp SPDT, fully programmable		B

OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair)	
	JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	
	PM	Panel Mount Flange assembly	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	CHS	Spare set Electronics with Mounting Chassis	
	PC4	Extra Sensor Mounting Kit with Couplant and SS clamps for pipes up to 32" (80 cm)	
	PC4S	PC4S Doppler Sensor Mounting Kit with Expansion Springs	
	CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	
	CC-SL30HT	Coupling Compound for Temps > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	
	MNL	Additional Manuals (One supplied with each unit)	
	SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure	

REPLACEMENT SENSORS

* Provide Instrument Serial number when ordering replacements

	SE4-A	Standard clamp-on Sensor with 20 ft / 6 m shielded coaxial pair	
	SE4-A-30DXC	Clamp-on Sensor with 50 ft / 15 m length cable	
	SE4-A-80DXC	Clamp-on Sensor with 100 ft / 30 m length cable	