DFM 5.1 Doppler Flow Meter

Approximate shipping weight: 14lbs / 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 Clamp for 0.6 – 32 in (15 – 800 mm) OD pipes	
	PC4S	PC4S Doppler Sensor Mounting Kit with Expansion Springs	
	CC	Dow Corning Silicone Compound 150 g. (5.3 oz) tube	
	AP1W-30	High Temperature Coupling Compound 112 g. (4 oz)	
	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	