

DFM 5.0 Doppler Flow Meter

Approximate shipping weight: 14lbs / 6.3 kg

Model

DFM 5.0 - - - - -

STANDARD FEATURES:

- SE4 sensor - strap-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: -40 to +40 ft/sec (-12.2 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
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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 - no circuit board coating		1
Conformal Coating (partial – excludes power supply, display and optional logger)		2

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

SE4 standard strap-on Sensor (for 0.5" / 12.5 mm to 180" (4.5 m) ID pipes)		A
SE3H High temp, strap-on (up to 302°F / 150°C) for 0.5" / 12.5 mm ID or larger		C
ISE6 Insertion Sensor (6" / 150 mm length)		E
ISE12 Insertion Sensor (12" / 300 mm length)		F
QZ2L-B Submersible with 25 ft / 7.6 m cable		Q

INTRINSIC SAFETY BARRIER (built into electronics enclosure)

Standard, General Purpose locations, not rated Intrinsically Safe		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)	
	DJB	Sensor cable Junction Box, NEMA4 steel	
	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	
	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	
	DMS-30	Loop powered 3-1/2 digit LCD display	

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

* Provide Instrument Serial number when ordering replacements

	SE4	Standard strap-on 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	
	ISE6	Insertion Sensor (6" 150 mm length)	
	ISE12	Insertion Sensor (12" 300 mm length)	
	QZ2L-B	Submersible Sensor with 25 ft/7.6 m cable	