OCF-IV Open Channel Flow Monitor

Approximate shipping weight: 10 lbs / 4.5 kg

Model   **OCF-IV** - _ _ - _ _ - _ _ - _ _ - _ _ - _ _ - _ _ - _ _ - _ _ - _ _

STANDARD FEATURES:

- sensor - Model PZ12, PVC
- sensor cable – 25 ft / 7.6m RG62AU coaxial
- enclosure - watertight, NEMA4X (IP66) polycarbonate
- calibration - to any flume or weir with built-in 3-button programmer, password protected
- displays - Flow/Level values - large 4-digit LCD
        Totalizer/Menu/Status - 16-digit alphanumeric
- temperature compensation - automatic
- outputs - RS-232C, isolated 4-20mA (1000 ohm)
- data logger fully programmable 50,000 point capacity
- 'Greyline Logger' PC software for Windows™
- RS-232C cable and plugs
- 3 relays - programmable flow alarm, flow proportional, failsafe/echo-loss
- surge protection - AC, sensor, 4-20mA
- power input - 100-130VAC 50/60Hz, 7.5 watts maximum
- 1 Manual - Installation and Operation

POWER INPUT

Standard 100-130VAC 50/60Hz		A
200-250VAC 50/60Hz		B
24VDC (6.5 Watts maximum)		C
12VDC (6.5 Watts maximum)		D

ENCLOSURE

Standard NEMA4X (IP66) polycarbonate		1
CXJ8106 - Explosion Proof NEMA7		2

ENCLOSURE TEMPERATURE

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

ELECTRONICS PROTECTION

Standard - no circuit board coating		1
Conformal Coating (Tropicalized) for moist atmospheres		2

ULTRASONIC SENSOR (25 ft / 7.6m cable and built-in temp. compensation)

Standard PZ12, PVC (8" / 203.2 mm deadband, 12' / 3.66 m Max. range)		M
PZ12-LP Low-Profile, PVC (8" / 203.2 mm deadband, 12' / 3.66 m Max. range)		N
PZ32T, PVC and Teflon (12" / 304.8 mm deadband, 32' / 10 m max. range)		A
PZ32TE All Teflon (12" / 304.8 mm deadband, 32' / 10 m max. range)		E

INTRINSIC SAFETY Barrier (built into electronics enclosure)

Standard (General Purpose locations - not Intrinsically Safe)		1
ISB Intrinsic Safety Barrier rated Class I, Div. I,II, Groups C,D,E,F,G hazardous locations		2

SENSOR CABLE LENGTH

Standard 25 ft / 7.6 m RG62AU coaxial		A
50 ft / 15 m continuous RG62AU coaxial		B

DATA LOGGER

Standard – 50,000 point Greyline Logger (built-in with RS232, PC software)		4
50,000 point Greyline Logger (built-in with RS485, PC software)		5

BUILT-IN OPTIONS

None - Standard		A
3 Extra Relays (6 total) rated 5 amp SPDT, fully programmable		B

GENERAL OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	XC	Extra Sensor Cable (RG62AU coaxial) up to 500ft / 152m	
	JB	Sensor cable Junction Box, NEMA4 steel	
	SMS	Sensor Mounting Stand (large size may increase price)	
	BR2032	Spare/Replacement clock battery	
	SNUB	Snubber - Noise Suppresser for Relays	
	PM	Panel Mount Flange Assembly .	
	SCR	Enclosure Sunscreen (recommended for outdoor installations)	
	PZS	Sensor Sunscreen (recommended for outdoor installations)	
	MNL	Additional Manuals (one supplied with each instrument)	
	SP1	Lightning/Surge Protection in NEMA4 steel enclosure	
	CS	Factory Calibration Certificate	
	GL2	'Greyline Logger' Additional/Replacement Windows software	
	FindK&n	'Find K&n' PC software Utilities disk	
	RS2DB9F	Spare/Replacement RS232 Cable (20ft / 6m length)	
	CHS	Spare/Replacement set Electronics with Mounting Chassis (+ options)	
	485OI9TB-12V	RS232/RS485 Converter	
	NM-DB9M/25M	Null Modem Adaptor – to connect Greyline RS232 cable to a Modem	
	DMS-30	Loop powered 3-1/2 digit LCD display	

SPARE/REPLACEMENT SENSORS - provide instrument <u>serial number</u> when ordering

QTY	CODE	DESCRIPTION	
	PZ12	Spare/Replacement PVC Sensor, rated 12 ft / 3.66 m Max. range	
	PZ12-LP	Spare/Replacement Low-Profile PVC Sensor, rated 12 ft / 3.66 m Max. range	
	PZ32T	Spare/Replacement PVC and Teflon Sensor, rated 32 ft / 10 m Max. range	
	PZ32TE	Spare/Replacement All-Teflon Sensor, rated 32 ft / 10 m Max. range	