Greyline
Precision Flow Measurement
An ONICON Brand

OCF 6.1
Open Channel Flow & Tank Level Meter
Approximate shipping weight: 10lbs / 4.5 kg

Model   OCF 6.1 - _ _ - _ _ - _ _ - _ _ - _ _ - _ _ - _ _

STANDARD FEATURES:

- sensor – open channel flow: PZ15, PVC, 15' / 4.57m max. range
  - tank level: PZ32T, PVC and Teflon, 32' / 10m max range
- sensor cable – 25 ft / 7.6 m coaxial
- enclosure - watertight, NEMA4X (IP66) polycarbonate
- power input - 100-240VAC 50/60Hz, 10VA maximum
- display - White, backlit matrix
- totalizer - 12 digit
- configuration - built-in 5-key programmer
- data logger – 26 million point capacity, free software for reporting
- analog output - isolated 4-20mA (1000 ohm)
- 2 control relays - 5 amp, SPDT - programmable for flow proportional pulse output, and/or flow alarm
- certifications -

POWER INPUT

Standard - 100-240VAC 50/60Hz, 10VA Maximum	A
9-32VDC, 10W Maximum	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard - NEMA4X (IP66) polycarbonate enclosure	1
NEMA4X polycarbonate enclosure with conformally coated electronics	2
CXJ8106 - Explosion proof NEMA7 (non-returnable & non-refundable)[1]	3

[1]*Lead time for a OCF 6.1 with this option is 2 weeks*

ENCLOSURE TEMPERATURE RATING

Standard - -5° to 140°F / (-20° to 60°C)	A
Heater and Thermostat, 115VAC, 15VA additional to Power Input (25VA total)	B
Heater and Thermostat. 230VAC, 15VA additional to Power Input (25VA total)	C

INTRINSIC SAFETY

Standard – All sensor options rated Non-incendive for Class 1 Div 2, Groups A,B,C,D	1
QTY 1 ISB (Intrinsic Safety Barriers) for transducer installation in Class 1 Div 1, Groups C, D; Class 2, Groups E, F, G; Class 3; Type 4	2

SENSOR (all include built-in temperature compensation)

Standard Open Channel Flow - PZ15 PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	D
Standard Tank Level - PZ32T, PVC and Teflon (32 ft / 10 m range on liquids)	A
ADDITIONAL OPEN CHANNEL FLOW AND TANK LEVEL OPTIONS, SEE NEXT PAGE	

SENSOR MOUNTING HARDWARE

Standard – All sensors include ½" female NPT coupler	1

SENSOR CABLE LENGTH

Standard - 25 ft. / 7.6m RG62AU coaxial	A
50 ft / 15 m continuous RG62AU coaxial	B
100 ft / 30 m continuous RG62AU coaxial	C

SERIAL COMMUNICATION

Standard - None	1
Modbus® RTU via RS-485	2

CONTROL RELAYS

2 – Standard	A
4 Extra Relays (6 total) rated 5 amp SPDT, fully programmable	B

ADDITIONAL SENSOR OPTIONS (FILL IN ON PREVIOUS PAGE)

Open Channel Flow		
PZ15-LP Low-profile, PVC (8" / 203.2mm deadband, 15' / 4.57m max range Includes stainless steel mounting bracket instead of ½" NPT coupler		GL

Tank Level		
PZ32TE All Teflon (32 ft / 10m range, rated to temperature 170°F/76°C)		E
PZ34 PVC (16" / 406.4 mm deadband, 32 ft / 10m range on liquids)		B
PZ34T4F Flange Mount, 4" with Teflon face (16" / 406.4 mm deadband,32 ft/10m range)		B4
PZ34T6F Flange Mount, 6" with Teflon face (32 ft/10m range)		B6
PZ12T3F Flange Mount 3" Sched 80 PVC with Teflon face (12' / 3.66 m range)		G3
PZ12T4F Flange Mount 4" Sched 80 PVC with Teflon face (12' / 3.66 m range)		G4
PZ12T6F Flange Mount 6" Sched 80 PVC with Teflon face (12' / 3.66 m range)		G6
PZ56 PVC (16" / 406.4 mm deadband, 50 ft /15.25 m range on liquids)		T

METER OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	XC	Extra sensor cable up to 500ft / 152m	
	JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	
	SMS	Sensor Mounting Stand (for Open Channel applications)	
	PM	Enclosure Panel Mount Flange assembly .	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	PZS	Sensor Sunscreen (iridite aluminum)	
	SBMS	Sensor Submergence Shield (PVC)	
	MNL	Additional Manuals (One supplied with each unit)	
	SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	

SPARE/REPLACEMENT SENSORS (25 ft / 7.6m cable and temperature compensation)
*Provide Instrument Serial number when ordering replacements

	CODE	DESCRIPTION	
	PZ32T	(Standard) PVC and teflon (32 ft/10m range on liquids)	
	PZ32TE	All Teflon (32 ft / 10 m range on liquids, rated to temperature 170°F/76°C)	
	PZ34	PVC (32 ft / 10 m range on liquids)	
	PZ34T4F	Flange Mount, 4" with Teflon face (32 ft/10m range)	
	PZ34T6F	Flange Mount, 6" with Teflon face (32 ft/10m range)	
	PZ56	PVC, 16" / 406.4 mm deadband, 50 ft / 15.6 m range, 50 ft / 15.6 m cable	
	PZ15	PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	
	PZ15-LP	Low-Profile, PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	
	PZ12T3F	Flange Mount 3" Sched 80 PVC with Teflon face (12' / 3.66 m range)	
	PZ12T4F	Flange Mount 4" Sched 80 PVC with Teflon face (12' / 3.66 m range)	
	PZ12T6F	Flange Mount 6" Sched 80 PVC with Teflon face (12' / 3.66 m range)	