

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
- CE, UL/CSA/EN 61010-1

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

¹Lead 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, PZ sensor, Non-Incendive for Class I Div 2, Groups A,B,C,D		1
QTY 1 Intrinsic Safety Barrier for PZ Sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. 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 ¼" female NPT coupler		1
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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
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 ¹	Sensor Submergence Shield (PVC)
	SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure

¹ Only compatible with PZ15 and PZ34 sensors

SPARE/REPLACEMENT SENSORS (25 ft / 7.6m cable and temperature compensation)

*Provide Instrument Serial number when ordering replacements

	PZ32T	PVC & Teflon (12"/305mm deadband, 32ft/10m range) with 25ft/7.6m cable
	PZ32T-25XC	PVC & Teflon (12"/305mm deadband, 32ft/10m range) with 50ft/15.2m cable
	PZ32T-75XC	PVC & Teflon (12"/305mm deadband, 32ft/10m range) with 100ft/30.5m cable
	PZ32TE	All Teflon (same specs as PZ32T, but rated to 170°F/76°C)
	PZ32TE-25XC	All Teflon (same specs as PZ32T-25XC, but rated to 170°F/76°C)
	PZ32TE-75XC	All Teflon (same specs as PZ32T-75XC, but rated to 170°F/76°C)
	PZ34	PVC, (12"/305mm deadband, 32ft/10m range) with 25ft/7.6m cable
	PZ34-25XC	PVC, (12"/305mm deadband, 32ft/10m range) with 50ft/15.2m cable
	PZ34-75XC	PVC, (12"/305mm deadband, 32ft/10m range) with 100ft/30.5m cable
	PZ34T4F	Flange Mount, 4" with Teflon face (32 ft/10m range) with 25ft/7.6m cable
	PZ34T4F-25XC	Flange Mount, 4" with Teflon face (32 ft/10m range) with 50ft/15.2m cable
	PZ34T4F-75XC	Flange Mount, 4" with Teflon face (32 ft/10m range) with 100ft/30.5m cable
	PZ34T6F	Flange Mount, 6" with Teflon face (32 ft/10m range) with 25ft/7.6m cable
	PZ34T6F-25XC	Flange Mount, 6" with Teflon face (32 ft/10m range) with 50ft/15.2m cable
	PZ34T6F-75XC	Flange Mount, 6" with Teflon face (32 ft/10m range) with 100ft/30.5m cable
	PZ56	PVC, 16"/406mm deadband, 50ft/15.6m range, 50ft/15.6m cable
	PZ56-25XC	PVC, 16"/406mm deadband, 50ft/15.6m range, 50ft/15.6m cable
	PZ56-75XC	PVC, 16"/406mm deadband, 50ft/15.6m range, 50ft/15.6m cable
	PZ15	PVC, (8"/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable
	PZ15-25XC	PVC, (8"/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable
	PZ15-75XC	PVC, (8"/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable
	PZ15-LP ¹	Low profile, PVC with 25 ft / 7.6 m cable
	PZ15-LP-25XC ²	Low profile, PVC with 50 ft / 15 m cable
	PZ15-LP-75XC ²	Low profile, PVC with 100 ft / 30 m cable

² Sensors include MB15 mounting bracket