

**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) <sup>1</sup>	3

<sup>1</sup>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
<b>ADDITIONAL OPEN CHANNEL FLOW AND TANK LEVEL OPTIONS, SEE NEXT PAGE</b>	

**SENSOR MOUNTING HARDWARE**

Standard – All sensors include 1/2" 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)**

<b>Open Channel Flow</b>		
PZ15-LP Low-profile, PVC (8" / 203.2mm deadband, 15' / 4.57m max range Includes stainless steel mounting bracket instead of 1/2" NPT coupler		GL
<b>Tank Level</b>		
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

	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)	