

OCF 6.1

Open Channel Flow and Tank Level Meter

Approximate shipping weight: 10 lbs / 4.5 kg

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

Model

Please configure model on next page



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POWER INPUT

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

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate		1
NEMA4X polycarbonate enclosure with conformally coated electronics		2
CXJ8106 – Explosion proof NEMA7 (CSA Class I, Div 1) ¹		3

ENCLOSURE TEMPERATURE RATING

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

INTRINSIC SAFETY

Standard – QZ02L for non-hazardous locations only		1
QTY 1 ISB Intrinsic Safety Barriers for sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4		2

TRANSDUCERS (each with 25ft / 7.6m cable)

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

TRANSDUCER MOUNTING HARDWARE

Standard – All sensors include 3/4" female NPT coupler		1
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TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m		A
50 ft / 15 m		B
100 ft / 30 m		C

SERIAL COMMUNICATIONS

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 TRANSDUCER OPTIONS (FILL IN ON PREVIOUS PAGE, TRANSDUCERS SECTION)

Open Channel Flow		
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

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

OPTIONS AND ACCESSORIES

Code	Description	
XC	Extra sensor cable up to 500ft / 152m (price is per foot)	
JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	
SMS	Sensor Mounting Stand (for Open Channel applications) NOTE: Width required to span flume/weir/stilling well and height required when ordering. See SMS datasheet on Pulsar website for more details.	
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 below - (25ft/7.6m cable and temperature compensation)

*Provide instrument serial number when ordering replacements

Code	Description	
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	
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-LP1	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