

PSL 5.0 Pump Station Level Controller

Approximate shipping weight: 10 lbs / 4.5 kg

Model

PSL 5.0 - - - - -

STANDARD FEATURES:

- sensor – PZ34, PVC, 32ft / 10 m range
- sensor cable - 25ft / 7.6m coaxial
- auxiliary sensor – accepts redundant 4-20mA sensor connection
- temperature compensation - automatic
- enclosure - watertight, dust tight NEMA4X (IP66) polycarbonate
- programming - built-in 5 button keypad, Password protected
- calibration – Level, Range or Volume in selectable Units
- display - white, backlit matrix LCD
- 6 relays - 5 ampere SPDT, programmable level alarm and/or pump control modes, pump alternation/sequencing, failsafe/echo-loss, temperature alarm
- outputs - isolated 4-20mA (1000 ohm)
- report logger - pump Run Time report
- power input - 100-240VAC 50/60Hz, 3 Watts with standard features
- surge protection - sensor, AC power and 4-20mA output
- 1 Manual - Installation and Operation

POWER INPUT Standard 100-240VAC 50/60Hz	A
9-32VDC	B

ENCLOSURE Standard NEMA4X (IP66) polycarbonate	1
CXJ8106 - Explosion proof NEMA7 (non-returnable & non-refundable)	2

ENCLOSURE TEMPERATURE Standard (-5 to 140°F / -20 to 60°C)	A
Heater and Thermostat, 115VAC, 15 Watts	B
Heater and Thermostat, 230VAC, 15 Watts	C

ELECTRONICS PROTECTION Standard - no circuit board coating	1
Conformal Coating ("tropicalized") for humid atmospheres	2

SENSOR (25 ft / 7.6m cable with built-in temperature compensation)
(When ordering replacements *always* provide instrument Serial No.)

Standard PZ34 PVC (16" / 406.4 mm deadband, 32 ft / 10 m range on liquids)	B
PZ32T PVC and Teflon (12" / 305 mm deadband, 32 ft / 10 m range on liquids)	A
PZ32TE All Teflon (32 ft / 10m range, rated to temperature 170°F/76°C)	E
PZ34T4F Flange Mount, 4" with Teflon face (32 ft/10m range)	B4
PZ34T6F Flange Mount, 6" with Teflon face (32 ft/10m range)	B6
PZ15 PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	D
PZ15-LP Low-Profile, PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	GL
PZ56 PVC (16" / 406.4 mm deadband, 50 ft / 15.25 m range on liquids)	T

INTRINSIC SAFETY BARRIER (built into electronics enclosure)

Standard (General Purpose locations / not Intrinsically Safe)	1
ISB Intrinsic Safety Barrier for ultrasonic sensor and cable installation in Class I,II,III, Div. I,II, Groups C,D,E,F,G hazardous rated locations	2
2ISB Intrinsic Safety Barriers for ultrasonic + LTB35 pressure sensor and cable installation in Class I,II,III, Div. I,II, Groups C,D,E,F,G hazardous rated locations	3

ULTRASONIC 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

DATA LOGGER

None – Standard	1
Greyline Logger – 20 million point Data Logger (with USB output, PC software)	2

OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	XC	Extra sensor cable up to 500ft / 152m	
	JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	
	PM	Panel Mount Flange assembly	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	PZS	Sensor Sunscreen (iridite aluminum)	
	SBMS	Sensor Submergence Shield (PVC)	
	CHS	Spare set Electronics with Mounting Chassis (standard features)	
	MNL	Additional Manuals (One supplied with each unit)	
	SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	
	DMS-30	Loop powered 3-1/2 digit LCD display	

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

*Provide Instrument Serial number when ordering replacements

	LTB35	Submersible Pressure Transducer with 40 ft / 12 m vented cable	
	PZ34	(Standard) PVC (16" / 406.4 mm deadband, 32 ft / 10 m range)	
	PZ32T	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)	
	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)	