

ORP100

INLINE LED ORP INDICATOR



OVERVIEW

The ORP 100 series instruments are extremely rugged and versatile ORP indicators. The display units can be programmed to a user defined value based on a straight line equation or a 16 point lookup table. ORP 100 instruments use a special high input impedance input stage for fast and accurate ORP measurement. Special electronics ensure that the input impedance is in excess of 10¹² ohms. This ensures that there is minimum error due to the extremely high output impedance of the ORP sensors. All these instruments are field programmable and have nonvolatile backup memory that does not need cumbersome batteries. These instruments also have the capability to switch on relay(s) based on user settings.

Automatic calibration is provided for fast field calibration. Optional features include RS485 with MODBUS network capabilities. Optional 4-20mA output can be programmed between any desired range.

FEATURES



- mV indication
- Field Programmable through four keys
- Very High Input Impedance (>10¹² Ohms)
- Warns against excess chlorine concentration.
- RO membrane
- 4 1/2 digit LED display
- 2 Programmable Setpoints
- Relay Option
- Programmable 4-20mA output
- RS485 / MODBUS Network
- 96x96 Panel Mount Enclosure




SPECIFICATIONS

Model	ORP100
Range	-1200mV to +1200mV
Signal Type	ORP Probe / mV Sensors
Display	5 Digit LED with 2 mode indicating LEDs
No of Channels	1
Output power	Available on request
Zero and Span	-19999 to 19999
Conversion Type	mV indication, Linear Programmable variable, 16 Point lookup table conversion
Accuracy	± 0.5% of full scale
Operating Temperature	0 - 50° C
Storage Temperature	0 - 60° C
Relative Humidity	0 - 85% RH (non-condensing)
Program Variables	Saved in non-volatile EEPROM. No battery backup required
Voltage	220 V ~ AC ±15% / 110V AC / 24V DC (Factory configurable)
Frequency	50 / 60 Hz
Power Consumption	Less than 2 Watts



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