

DO100

INLINE LED DO INDICATOR



OVERVIEW

DO100 accurately measures dissolved oxygen for efficient control of aeration systems in wastewater treatment applications. It can also ensure safe ppm levels to maintain life in fish farming. Designed to be intrinsically safe, its corrosion-resistant sealed composite enclosure makes it ideal for harsh environments where moisture, dust and chemicals may be prevalent.

Its design facilitates easy installation, minimizing cable and panel construction costs. The transmitter's direct 4-20 mA output simplifies start-up, operation and maintenance tasks to provide considerable savings over the lifetime of the device. The device's plug-in modular design allows safe removal and easy replacement of the probe. A 1/2-inch NPT conduit connection increases protection and noise immunity of the output cable.

FEATURES




- DO% : 0 to 200.0% / 0 to 20.00ppm (mg/L)
- Field Programmable through four keys
- Unaffected by sample color or turbidity
- 4 1/2 digit LED display
- 2 Programmable Setpoints
- Relay Option
- Programmable 4-20mA output
- RS485 / MODBUS Network
- 96x96 Panel Mount Enclosure




SPECIFICATIONS

Model	DO100
Range	0 to 200.0% / 0 to 20.00ppm (mg/L)
Signal Type	DO Probe
Display	5 Digit LED
No of Channels	1
Max. Resolution	0.1%, 0.01ppm (mg/L), 0.1°F/ °C
Accuracy	+2.0%FS, 0.4ppm (mg/L), +1.8°F/1°C
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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