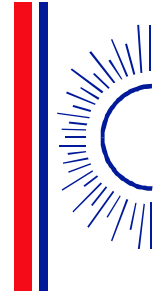


FL-3 FLUOROPROBE SPECIFICATIONS



Sensor Design:

Measurement Principle	Fluorescent (Patented)
Tip Thickness	0.005" (0.127mm)
Tip Material	Silicone Rubber
Body Material	PVC with Epoxy encapsulant
Cable	Polyurethane
Length	9" (230mm) Nominal
Diameter	1.25" (32mm) Nominal
Optics	400nm Excitation, 610nm Emission
Internal Power	+/- 12 Vdc, +/- 5 Vdc
Output Signal	AC Modulated

Application Data:

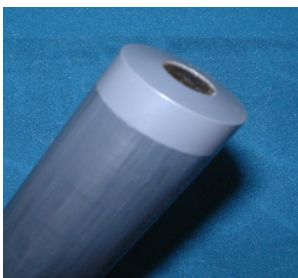
Power Supply:	240 Vac, 50Hz, < 25W (standard) 12 & 24 Vdc, on order.
Temperature Limits:	
Instrument	-30°C to +50°C
Sensor	0°C to +50°C
Operation Range	0 _{ppm} to Supersaturation in Aqueous Solutions.
Accuracy:	1% over 0 to 10ppm Range in Aqueous Solutions.
Repeatability:	0.5% of Range.
Response Time*:	30 sec (90%) in Aqueous Solutions. 7 sec (90%) in Gaseous Phases.

*Note: The response time is based on 0.3 m/s flow across sensor. The response time will decrease with increased flow rate. However, flow is not required for the measurement.

Sensor Lifetime:	Estimated 10+ years for conventional aeration applications. Based solely upon the application environment and the effect on Silicone Rubber. 5 year Sensor warranty on standard applications.
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Features:

Analogue Output Signal	1x 4-20mA, 600 Ω max.
Digital Outputs	2x Relay, 2A max.
Display	3 Lines: DO, Temperature and Elevation
Automated Air Calibration Routine	Yes
Temperature Compensation	Yes
Ambient Excitation Compensation	Yes
Instrument Measurement	Steady State, Amplitude/Lifetime



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