

FLUOROPROBE® HANDHELD D.O. ANALYZER

"We changed the way the world measures oxygen"



MODEL FL-3-H

The patented new FL-3-H luminescent/optical handheld oxygen analyzer from *Environmental Instruments* brings together ease of use and the most advanced oxygen measurement technique available in a durable, compact and lightweight form factor.

Like the third generation FL-3 oxygen analyzer, the FL-3-H handheld is simple to setup, calibrate and start taking measurements. At the touch of a button air calibration is performed within seconds and the unit is ready for application. Making the FL-3-H handheld even more powerful is its ability to log data. With only a few keystrokes the FL-3-H can be placed in data logging mode with an adjustable sample rate down to 1 minute and storage of more than 256 samples onboard. The *lightning fast* FL-3-H is so simple to use it requires virtually no manual for normal operation and the extra large display is easy to see from a distance or at night using the built-in backlight. The FL-3-H uses three AA alkaline batteries and consumes very little power during operation.

- **PATENTED*** luminescent/optical measurement
- **No Membranes**
- **No Electrolyte**
- **Extremely fast & accurate readings**
- **Data logging capabilities**
- **Sensor not damaged by direct or indirect sunlight**

"THE FASTEST D.O. PROBE ON THE PLANET"



***Additional Patents pending**

We introduced the first commercial luminescent/optical dissolved oxygen sensor/analyzer in 1997. The **FL-3-H Handheld** model is a continuation of our vast experience with this patented technology.

Please visit our website at:

www.thefluoroprobe.com

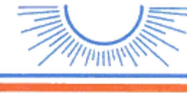
Fluoroprobe FI-3-H Specifications

- **Application Temp Range:**
Probe: -30°C to +50°C
Sensor: -30° to +204°C
- **Operation Range:** 0 mg/l to supersaturation
0.01 to 20.0 mg/l
- **Temp compensation:** automatic (thermistor)
- **Pressure Compensation:** automatic
- **Salinity correction:** automatic
- **Measurement accuracy:** aqueous solutions (0-10 mg/l) +/- 1%
- **Measurement stability:** .05 mg/l
- **Response time@ 20°C:** Aqueous solutions: 95% measured response 15 seconds Gas: 7 seconds
Flow is not required for measurement but as flow increases, response time decreases
- **Detection Limit:** 0.01 mg/l (estimated)
- **Sensor material:** silicone
- **Sensor cable:** polyurethane 12 ft. standard length (other lengths available upon request)
- **Sensor type:** luminescent/fluorescent
- **Probe Body materials:** PVC & Stainless steel
- **Probe Chemical resistance:** For aqueous solutions only, do not immerse in solvents or alcohols
- **Probe Dimensions:** 4-1/4"L x 1-1/4" diameter
- **Enclosure:** ABS plastic, waterproof, dust proof, chemical resistant, floatable (meter/probe connection requires drying if wetted)
- **Enclosure dimensions:** 3-1/2"W x 7-5/8"L x 1-3/4" Depth
- **Net Weight:** .83 lbs.
- **Interferences:** none at typical concentrations found in DW and WW
- Zero Calibration function for precise calibration
- **Internal Data logging:** Adjustable sample rate down to one minute with storage capacity of more than 256 samples onboard
- **Power source:** Three AA Batteries

- **Battery life:** Approximately 20-40,000 measurements (battery life is a function of use)
- **Instrument and probe limited Warranty:** 3 years
- **Sensor Warranty:** 1 year (estimated life of sensor is extended considerably with proper use and maintenance. Sensor is not damaged by direct or indirect sunlight)

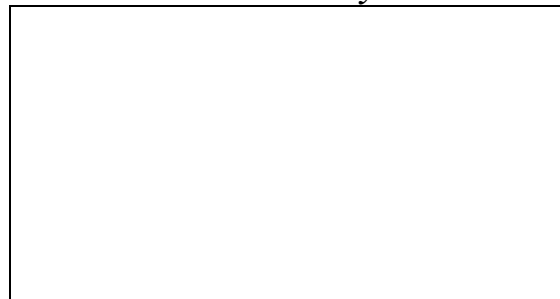


Applications in water, wastewater, aquaculture, & other aqueous solutions



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