

FluoroSense™

Handheld Fluorometer



Quickly assess pigment levels toward HAB identification

FluoroSense is a small, lightweight, highly durable handheld fluorometer ideal for quick *in situ* field measurements. Extremely simple to operate, FluoroSense displays results within seconds. Factory-calibrated for a linear range of 0-199 µg/L, the only maintenance required is simply rinsing after use. Available in two optical configurations, chlorophyll and phycocyanin (PC), FluoroSense can assist with identification of PC-containing algae typically associated with Harmful Algal Blooms (HABs). Obtaining both PC and chlorophyll estimates helps in determining whether additional testing is required to check toxicity levels in a body of water.

FluoroSense is the only portable, handheld field fluorometer on the market with an LCD displaying the measurements while the optics are submerged. Other similar meters either require an external display or require sample collection which requires training, is more time consuming, risks sample contamination, and creates excess waste (sampling bottles/containers). FluoroSense is a single-device solution with no need for peripheral instrumentation (probes) or additional calculations.

PRODUCT HIGHLIGHTS

- Dustproof, waterproof, highly durable
- >10,000 measurements per AA battery set
- Low maintenance
- Small size easily fits in shirt or jacket pocket
- One-button operation

WHO WE ARE

Since 1972 Turner Designs has provided over 75,000 sensitive, reliable and easy-to-use fluorometers for environmental and industrial uses. We specialize in sensitive detection of materials with fluorescence properties. With distributors around the world, we provide free technical support for the life of our instruments.

CONTACT US

Web: www.turnerdesigns.com
Email: sales@turnerdesigns.com
Toll-Free: +1.877.316.8049
Phone: +1.408.749.0994

PERFORMANCE SPECIFICATIONS

Linear Range:
0-199 µg/L *in vivo* chlorophyll
0-199 µg/L phycocyanin
Resolution: 1 µg/L

OPTICAL SPECIFICATIONS

Light Source: LED
Detector: Photodiode

ELECTRICAL SPECIFICATIONS

Power: 2 AA batteries (standard or rechargeable)

PHYSICAL SPECIFICATIONS

Temperature: 41° - 104°F (5° - 40°C)
Case: IP 67 standard; dustproof/waterproof
Weight: 4.3 oz; 120 g
Size: 8.9"x 2"x 1.75"; 22.6 cm x 5.1 cm x 4.5 cm