

FluoroSense™

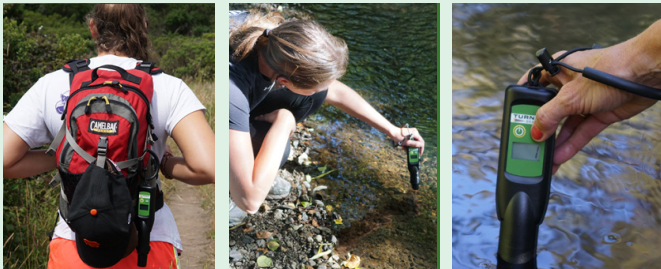
Handheld Fluorometer



FluoroSense Handheld Fluorometer

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.



FluoroSense Specifications

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

Resolution: 1µg/L

Power: 2 AA batteries (standard or rechargeable)

Temperature: 41° - 104°F (5° - 40°C)

Case: IP 67 standard; dustproof/waterproof

Light Source: LED

Detector: Photodiode

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

Ordering Information

<u>INSTRUMENT</u>	<u>PART NUMBER</u>
FluoroSense Handheld Fluorometer, Chlorophyll	2860-000-C
FluoroSense Handheld Fluorometer, Phycocyanin	2860-000-P
<u>ACCESSORIES</u>	<u>PART NUMBER</u>
800ppb Rhodamine WT Calibration Solution (Chlorophyll)	6500-220
200ppb Rhodamine WT Calibration Solution (Phycocyanin)	6500-020

Quickly assess pigment levels toward HAB identification

Highlights

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

Introduction to Turner Designs

Turner Designs has manufactured more than 50,000 fluorometers which are in use around the world. Manufacturing instruments since 1972, we set the standard for field, submersible, handheld, laboratory and on-line fluorometers. We specialize in providing sensitive, reliable, easy-to-use fluorometers for environmental and industrial applications. Our employees take pride in providing quality instruments and responsive technical service.

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