

LITTLE DIPPER™ 2

In-Line Fluorometer

The Little Dipper 2 is an accurate, single-channel, light industrial fluorometer which installs directly into industrial process streams. It provides a 4 - 20 mA signal output proportional to the concentration of the fluorophore being measured. The Little Dipper 2 is a rugged, 24/7 sampling device that provides maximum performance, minimal maintenance, and solid state reliability. It can be used with data collection systems to monitor and control the level of treatment chemicals for industrial applications.



PRODUCT HIGHLIGHTS

- Available with PTSA or Fluorescein Optics
- Improved turbidity and dissolved iron rejection
- Solid state fluorometer uses LED/photodiode technology, no moving parts

APPLICATIONS

- Industrial Water Process Control
 - Cooling Towers
 - Boilers
 - Others
- Leak Detection
- Reverse Osmosis
- Environmental Monitoring

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

Dynamic Range:

<1 to 300 ppb typical for PTSA

<1 to 100 ppb typical for fluorescein

Sensitivity: <1 ppb typical

ELECTRICAL SPECIFICATIONS

Power Draw: 0.80 W @ 12 VDC (1.0 W maximum)

Input Voltage: 8-30 VDC

Signal Output: 4-20 mA

Warm up time: 5 seconds

PHYSICAL SPECIFICATIONS

Material: PVC – rigid injection, molded plastic

Weight: 4.4 ounces (125 g)

Length: 8.63 inches (21.9 cm)

Housing Diameter: 1.30 inches (3.3 cm)

Diameter at Flange: 1.72 inches (4.4 cm)

Temperature: 0 - 50 °C

MOUNTING TEE PHYSICAL SPECIFICATIONS

Material: PVC – rigid injection, molded plastic

Dynamic Pressure: 100 PSI

Threading: 1 inch (NPT)

Length: 3.30 inches (8.4 cm)

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