



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

Electrical

- 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

Performance Specifications

- Dynamic Range:
 - <1 to 300 ppb typical for PTSA
 - <1 to 100 ppb typical for fluorescein
- Sensitivity: <1 ppb typical

Applications

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



Physical Specifications

- Little Dipper 2**
- 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

- Material: PVC – rigid injection, molded plastic
- Dynamic Pressure: 100 PSI
- Threading: 1 inch (NPT)
- Length: 3.30 inches (8.4 cm)