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.

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

Little Dipper 2 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

Little Dipper 2 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)

Features & Benefits
- Improved turbidity and dissolved iron rejection
- Dynamic Range:
  - <1 to 300 ppb typical for PTSA
  - <1 to 100 ppb typical for fluorescein
- Sensitivity: <1 ppb typical
- Solid state fluorometer uses LED/photodiode technology, no moving parts

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

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