

Little Dipper™ 2

In-Line Fluorometer



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.

2820-000-A PTSA Little Dipper 2 In-Line Fluorometer
2820-000-F Fluorescein Little Dipper 2 In-Line Fluorometer

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
- Simple calibration
- Solid state fluorometer uses LED/ photodiode technology, no moving parts
- Customizable optics (365 – 1100 nm)

Introduction to Turner Designs

Turner Designs has more than 20,000 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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