

PTSA or Fluorescein Transmitters

Little Dipper

LITTLE DIPPER IN-LINE FLUOROMETER

Turner Designs' Little Dipper is an accurate, single channel, light industrial fluorometer which installs directly into process streams. It provides an analog signal output proportional to the concentration of the fluorophore being measured. The Little Dipper 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 such as the WebMasterONE to monitor and control the level of treatment chemicals for cooling tower and boiler applications.

SUMMARY OF KEY BENEFITS

- » Simple calibration with the WebMasterONE
- » Simple installation - supplied with pre-wired isolator
- » Provides better control of treatment chemicals
- » Solid-state LED/Photodiode technology, no moving parts
- » Typical sensitivity to less than 1 ppb
- » Available with quick-disconnect watertight connector



SPECIFICATIONS

Fluorometer

Parameter	Specification
Range	< 0-300 ppb
Linearity (over dynamic range)	0.99 r2
Power draw	0.96 W @ 12 VDC (1.2W max)
Input voltage	8 to 30 VDC
Signal output	4-20 mA
Light source	Light emitting diode
Detector	Photodiode
Warm-up time	5 seconds
Length	5.92 inches (15.04 cm)
Diameter (housing)	1.05 inches (2.67 cm)
Diameter (max)	1.54 inches (3.91 cm)
Weight	3.35 oz (95 g)
Material	PVC- Type I, machined plastic

Mounting Tee

Parameter	Specification
Material	PVC - Type I, machined plastic
Threading	1 inch NPTF
Length	3.44 inches (8.74 cm)
Dynamic pressure rating	100 PSI
Temperature rating	140°F (60°C)
Fitting	Schedule 80

ORDER INFORMATION

- 191570-C Sensor kit, Little Dipper, Fluorescein w/connector
- 191571-C Sensor kit, Little Dipper, PTSA w/connector
- 191550 Calibration tee
- 103773 Calibration standard, PTSA

ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: www.walchem.com