

# ST-500 Series Inline Fluorometers for PTSA

ST-500 series probes are UV excited inline fluorometers for measuring the concentration of PTSA in cooling tower and RO water systems. Capable of low level detection in ppb  $\pm$  1ppb.

## Key Features

- High resistance to color and turbidity interference from sample water
- Monthly maintenance cycle with 5-minute effort in a typical case
- Digital communication via Bluetooth to smart phone app for diagnosis and troubleshooting
- Highly stable and extremely reliable in harsh industrial environments



ST-500/RO



ST-500SS

## Specifications

Items	ST-500	ST-500RO	ST-500SS
PTSA range	0-200 ppb	0 to 40 ppb	0-200 ppb
Precision (3 $\sigma$ )	$\pm$ 1% or $\pm$ 1ppb	$\pm$ 1% or $\pm$ 0.2 ppb	$\pm$ 1% or $\pm$ 1ppb
Power Supply	22-36 VDC, ~1W		
Output	4~20 mA isolated, RS-485 isolated		
Connector	IP67 water proof connector/cable 1.5 m (4.5 ft)		
Operation Pressure	Up to 0.7 MPa (100 PSI)		Up to 1.0 MPa (145 PSI) at 65°C (149 °F)
Installation	$\frac{3}{4}$ -inch NPT, panel mount by screws or pipe clamp		
Storage temperature	-20 °C ~ 60 °C (-4~140 °F)		
Operational temperature	40 – 120 °F (4 – 49 °C)		32~120 °F (0 – 49 °C)
Housing material	CPVC		304 Stainless Steel
Dimension	Length 6.8 inch (172.7 mm), body diameter 1.44 inch (36.6 mm)		8.5 inch length, 2.25×2.25 inch header and 1.75 inch diameter body
Weight	0.37 lbs (170 grams)		2.5 lbs

## Order Information

Model: ST-500 Inline Fluorometer (PTSA)	P/N: 50661
Model: ST-500RO Inline Fluorometer (PTSA)	P/N: 50669
Model: ST-500SS Inline Fluorometer (PTSA)	P/N: 50700

## Related Products

Model: SP-700 Water Multimeter	P/N: 50301
Model: SP-400 Dual Meter	P/N: 50201
Model: ST-565 Inline Fluorometer (HST)	P/N: 50664
Model: SP-395 Handheld Fluorometer for HST and NDSA	P/N: 50209