

# ST-565 Inline Azole Fluorometer (HST)

ST-565 is a UV excited fluorescence probe for measuring the concentration of halogen stable triazole (HST) in cooling tower water in the range of 0 to 7.5 ppm.

## Installation

The ST-565 probe has two union 3/4 inch NPT ports (sample in and out) in both glue and threaded options. Sample water entering the probe must be below 104 °F (40 °C).



### NEW Inline Bluetooth Adapter (P/N: MA-WB)

Connect any Pyxis inline sensor to computers or Smartphones with uPyxis app via Bluetooth connection to read, calibrate, diagnose & configure.



### ST-001 Custom Tee for Pyxis Sensors

UPVC, Schedule 80  
Dual unions for 3/4 inch  
NPT Threaded & Glue

## Calibration

The probe can be easily calibrated using the uPyxis APP for smartphone and the MA-WB Bluetooth adapter. For a one-point calibration, the Pyxis handheld unit (SP-395) should be used to measure the HST concentration in the sample and calibrate the ST-565 reading to the measured value using the uPyxis APP. The probe can also be removed from the tee and emerged in deionized water and 1ppm or 2ppm HST calibration standard in a beaker for zero and slope calibration.

## NEW uPyxis

### Universal Pyxis Connectivity App

uPyxis manages all Pyxis portable meter and inline sensors on your iPhones, Android phones or computers.

Pyxis has developed the uPyxis mobile app for iOS and Android.

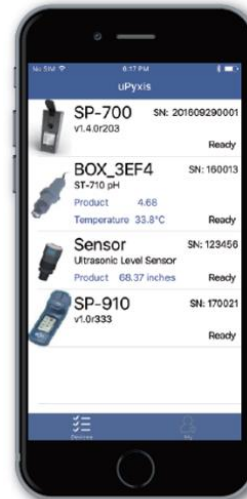
The app can be used to configure the device and conduct a 2- point calibration as well as upload diagnosis data all within a simple click.

Note:

[1] uPyxis is evolving rapidly and should be updated for recent updates

[2] Inline Bluetooth adapter (P/N: MA-WB) is required for inline sensors

To be connected



## Specification

Items	Specification
HST (Halogen Stable Azole)	0-7.5 ppm, $\pm 0.1$ ppm precision
Power Supply	12-36 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) at 40°C (104 °F)
Installation	Custom tee, 3/4-inch NPT thread, on-pipe installation
Storage temperature	-20 °C ~ 60 °C (-4~140 °F)
Operational temperature	0° C ~ 40 °C (32~104 °F)
Sample Water Flow	0 to 8 GPM
Typical service life	2 years
Housing material	CPVC
Dimension	172 mm long, 36.6 mm diameter (6.8 inch long, 1.44 inch diameter)
Weight	170 g (0.37 lbs)
Regulation	CE

### Order Information

Model: ST-565 Inline Fluorometer (HST)

P/N: 50664

### Related Products

Model: SP-395 Handheld Fluorometer for HST

P/N: 50209

HST-01 Calibration Std

P/N: 20131

HST-02 Calibration Std

P/N: 20132

Model: SP-710 Water Multimeter

P/N: 50352

Model: SP-400 Dual Meter

P/N: 50201