

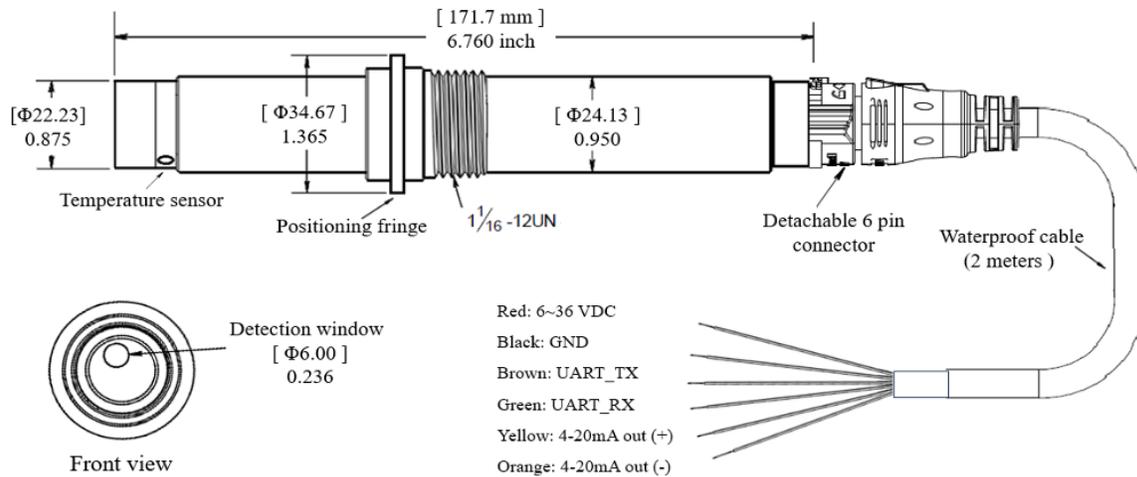


MagPi Enterprise

In-Line PTSA Fluorometer

The in-line PTSA fluorometer was designed for monitoring PTSA (1,3,6,8-Pyrenetetrasulfonic acid) in closed loop systems to provide real-time monitoring of chemical levels tied to measurable concentrations of PTSA. This fluorometer uses state-of-the-art technology and is extremely user friendly and reliable. Bluetooth applications are available for both iOS and Android to allow for convenient maintenance checks, calibration and diagnostics. The unique and patent pending optic configuration allows for high precision operation and excellent turbidity rejection. The PTSA fluorometer is configured with factory standard temperature compensation.

Our PTSA fluorometer was designed to operate under a wide variety of conditions. The body is constructed of durable polyvinyl chloride and special glass and polymer materials that provide a high resistance to direct chemical exposure. The fluorometer accepts a wide range of 6-36 VDC input power and has a primary 4-20 mA signal output. The factory set range for the fluorometer is 0-300 ppb PTSA.



MPE Doc 005 Rev C 22Mar25



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Figure A: In-Line PTSA Fluorometer Tee P/N MPE-PTEE-01

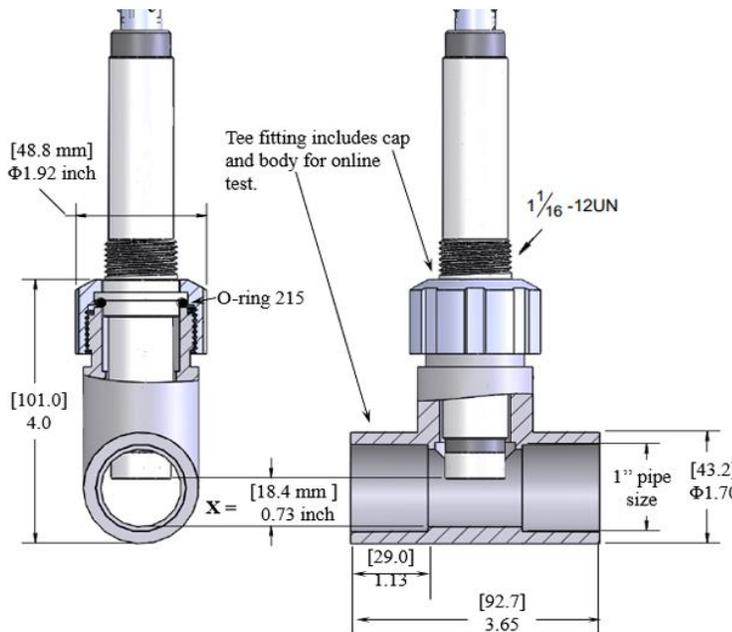


Figure B: Tee Adapter P/N MPE-ADPT-01

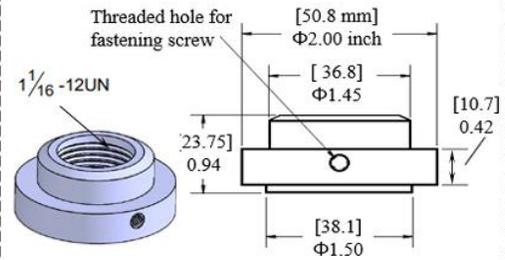
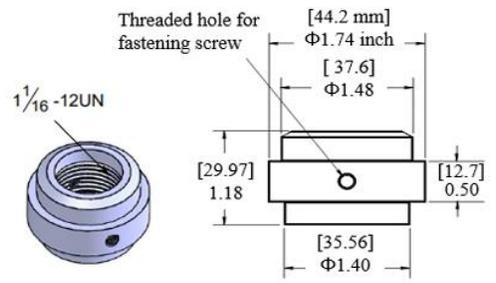


Figure C: Tee Adapter P/N MPE-ADPT-02



The P/N MPE-PTEE-01, shown in Figure A (fluorometer sold separately), is our standard fluorometer tee fitting, and the In-Line PTSA fluorometer can be directly installed in it. Unique adaptors have been developed to assist customers who are replacing an existing fluorometer system. The in-line PTSA fluorometer can be installed into an existing fluorometer tee by using one of the adapter fittings. The P/N MPE-ADPT-01 is used to adapt existing Turner plumbing tees. The P/N MPE-ADPT-02 is used for installing with existing Pyxis plumbing tees. The In-Line PTSA fluorometer is Bluetooth enabled so users can set up, calibrate and transfer data via the related application of mobile phone, both iOS and Android.

Fluorometer Specifications

Range: Factory Default 0-300 ppb PTSA	Size: $\Phi 22.2\text{mm} \times 172\text{mm}$; Weight: ~ 100g
Operating Temperature: 0-50° C	Waterproof: IP68
Maximum Pressure 125 PSI	Materials: Grey PVC, Delrin and Epoxy.
PTSA Linearity $R^2 > 0.999$	Excitation: ~ 365 nm.
Minimum detection limit 0.1 ppb	Emission: ~ 400 nm.
Power Input: 6 - 36 V DC.	Waterproof: IP68
Output: 4-20 mA / Bluetooth	Factory provided Cable: 2 m waterproof cables and detachable connector