

# pH-RUGGED SERIES

## pH ELECTRODE AND CABLE ASSEMBLY



### Features

- Precise Submersion pH Electrode
- CPVC Design
- Quarter Turn Latch Mechanism
- Automatic Temperature Compensation using the pH-Rugged ATC Cable or pH-Rugged Cable with RTD Probe
- Manual Temperature Compensation using the pH-Rugged Cable with an included resistor to simulate application temperature

### Applications

- Drums
- Tanks
- Streams, Rivers
- Ponds, Lakes

The pH-Rugged Electrode is a submersible CPVC that is suited for use in outdoor applications such as monitoring drums, tanks or streams. The electrode has a quick latch mechanism which allows it to be inserted into a BNC connector by simply rotating it a quarter turn.

For use with the MadgeTech pH loggers, a cable assembly and an RTD temperature reference is required. Two mounting assembly options are available. The pH-Rugged ATC Cable mounting assembly connects directly to the pH-Rugged Electrode and has a built in RTD probe, providing automatic temperature compensation (ATC). The pH-Rugged Cable connects to the pH-Rugged Electrode and can be used with an external RTD probe or may be used with one of the resistor kits included with the MadgeTech pH loggers.

Automatic Temperature Compensation is preferred, as it provides the best accuracy. When the precision and accuracy of ATC is not necessary, use the included resistor kit to simulate the temperature of the application to minimize error.



*pH-RUGGED ELECTRODE  
Submersion CPVC pH Electrode  
\*\*6 months - 1 year life expectancy\*\**



*pH-RUGGED ATC CABLE  
CPVC cable mounting assembly with  
automatic temperature compensation*

## SPECIFICATIONS\*

<b>Maximum Temperature:</b>	65 °C (150 °F)
<b>Compatible MadgeTech Data Loggers:</b>	pHTemp2000
<b>Resistor Kit:</b>	Reference the table included with the resistor kit to calibrate the resistor to simulate the temperature of the application.

<b>Dimensions:</b>	<ul style="list-style-type: none"> <li>• pH-Rugged Electrode: 3 in x 0.9 in (76 mm x 23 mm)</li> <li>• pH-Rugged Cable: 120 in x 0.83 in (3048 mm x 21 mm)</li> <li>• pH-Rugged ATC Cable: 120 in x 1.3 in (3048 mm x 33 mm)</li> </ul>
<b>Weight:</b>	<ul style="list-style-type: none"> <li>• pH-Rugged Electrode: 1.3 oz (37 g)</li> <li>• pH-Rugged Cable: 8.4 oz (238 g)</li> <li>• pH-Rugged ATC Cable: 8.4 oz (238 g)</li> </ul>

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY.

## ORDERING INFORMATION

MODEL	DESCRIPTION
pH-RUGGED ELECTRODE	Submersion pH electrode CPVC
pH-RUGGED CABLE	CPVC without temperature compensation - 10 ft cable
pH-RUGGED ATC CABLE	CPVC with ATC - 10 ft cable

**ASK ABOUT OUR OTHER DATA LOGGERS**

- Temperature
- Humidity
- Pressure
- pH
- Level
- Shock
- LCD Display
- Pulse/Event/State
- Current
- Voltage
- Wireless
- Intrinsically Safe
- Spectral Vibration
- Motion

\*\*Custom cable lengths are available upon request. Please contact MadgeTech for pricing and availability.