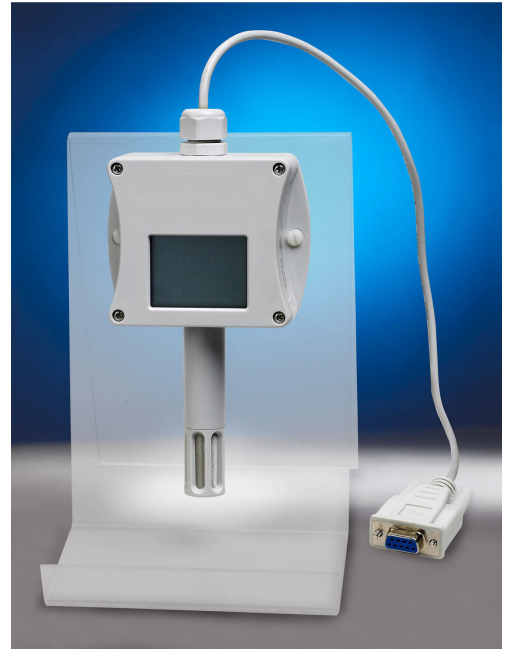


Multi-Point Test System



Capturing the specific temperature and relative humidity during testing has never been easier!

With the MPT Indoor/Outdoor temperature and relative humidity probe, critical test reporting is enhanced by capturing the specific temperature and relative humidity during resistance and high voltage testing.

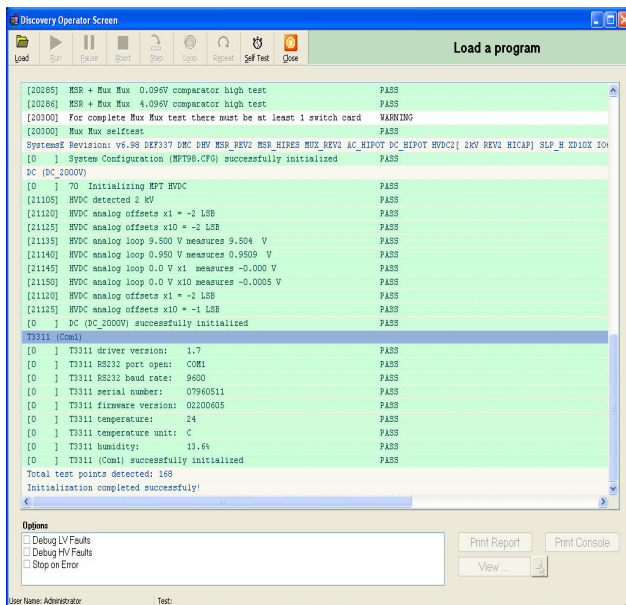
Changes in temperature and relative humidity (RH) can have a profound effect on an insulator's electrical properties. Products may fail HiPot and IR testing as humidity increases, while resistance changes with temperature. In such cases, failure is caused by the test environment, not by a true defect in the product.

The MPT Temp/RH probe helps identify these 'environmentally induced' failures by associating a product's resistance, HiPot and IR values with temperature and RH. This information can be used in test reporting, for example, to normalize resistance readings to a specific temperature or to analyze high voltage failures.

Using the driver-controlled MPT Temp/RH Probe with the MPT's Discovery software, measured temperature and relative humidity are converted to digital serial output via RS232 link and then displayed and recorded as part of the test data. The temperature and humidity values can also be used in calculations, as needed, using *Lua*[®] scripting tools.

The MPT Temp/RH probe is powered directly from the COM port of the MPT's PC and is operated via the MPT's Discovery environment by means of a driver that is included with the T/RH Probe kit. A serial link enables the user to retrieve actual readings and add them to the test report or use them in calculations.

The MPT Temp/RH probe is suitable for use in indoor or outdoor test environments. It uses a state-of-the-art capacitive polymer humidity sensor that offers outstanding resistance to mechanical stress, temperature shock and moisture build-up while ensuring low hysteresis a broad linearity range. Temperature and humidity can be displayed on the probe's large, dual line LCD, on the PC monitor and the test report.



[Technical Data]

Temperature

Measurement range:.....-30°C to +80°C
 Resolution:.....0.1°C
 Accuracy:.....+/- 0.4°C

Relative Humidity

Measurement range:.....0 to 100% RH
 Resolution:.....0.1%
 Accuracy:.. +/-2.5% (5 to 95% RH at 23°C)

Display

Large dual line LCD

Communication

Serial RS232

Note:

1. Certain features in this datasheet are optional
2. CableTest Systems reserves the right to update specifications at any time (see www.cabletest.com for the latest updates)

