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TPI 595



Digital Humidity Thermometer

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CALIBRATION & SERVICE

It is recommended that the instrument be calibrated every 12 months. Please consult Test Products International for further details.

GUARANTEE

Your TPI 595 Digital Humidity Thermometer is guaranteed free from defects in materials and workmanship for 3 Years from the date of purchase.

Covered by TPI: - Repair parts and labour; or replacement of the product at the option of TPI. Normal transportation charges to the purchaser are also covered.

Not covered by TPI: - Damage to the product which are the result of abuse, improper use or maintenance are not covered. Any other expenses, consequential damages, incidental expenses including damages to property are not covered. Transportation expenses to the customer are not covered.

To obtain warranty performance: - Include with the product your name, address, phone number, written description of the problem and proof of purchase date. Carefully package and return to TPI.

This guarantee does not affect your statutory rights.

Trouble Shooting Guide

Problem

Unit will not turn on

Solution

Battery voltage is low, change batteries.

RS232 Output

Holding down "RCL" button will display "MAX", "MIN", "AVG". And then "RS-232" at the top right of the screen.

This function prints the reading currently being measured in ASCII code.

RS232 cable is needed in order to view the readings on your computer.

SPECIFICATIONS

Instrument General

Operating Temperature Range	-10°C to +50°C
Operating Humidity	Less than 95% non-condensing
Battery	9 Volt Alkaline battery
Battery Life	> 30 Hours Continuous Use
Display	Backlit Dual LCD with function annunciators
Dimensions	74mm x 144mm x 29mm
Weight	150g
Casing	Rubber Boot as Standard
Switch Off	Auto Power Off after 10 minutes

Sensors

Temperature Measurement	-20°C to +80°C (-5°F to 175°F)
Temperature Accuracy	±1% of reading ±0.5°C ±1% of reading ±1.0°F
Humidity Measurement	10 to 95% Relative Humidity
Humidity Accuracy	±3% of reading ±3 digits



1. Introduction

Thank you for purchasing TPI brand products. The TPI 595 Digital Humidity Thermometer is a state of the art, easy to use instrument designed to provide temperature and relative humidity readings. The instrument is ruggedly constructed and comes with a 3 Year Guarantee.

This manual will guide you through the functions of the TPI 595 which will give you many years of reliable service.

Your TPI 595 Digital Humidity Thermometer comes complete with the following items as standard:

- TPI 595 Instrument
- Rubber Boot
- Soft Carrying Case
- Batteries
- Instruction Manual

Your TPI 595 Digital Humidity Thermometer has the following options available:

- Serial Computer Interface RS232



Instrument Overview



Operating Instructions

1. Push ON button to turn meter on.
2. Pressing the 'C/F' button will toggle between 'C' and 'F'.
3. Position the probe at desired location of measurement.
4. Read the temperature and humidity on the LCD.
5. It will take several minutes until the readings get stable after the probe is positioned.
6. Press "HOLD" button to freeze the display after taking a measurement is finished.
7. "DH" will be displayed on the LCD.
8. Press "HOLD" button again to return to normal operation.

Battery should be replaced when "LBT" is displayed at the top left of the screen.

Recording Data

If you want to record the reading changes, press "REC" button when the reading gets stable. Once activated the meter will begin recording.

- The REC annunciator will be displayed. The meter will record minimum, maximum and average temperatures.
- To recall the data after recording, press "RCL" button. The "MAX", "MIN", "AVG" values will be recalled sequentially.

If you press "RCL" button, both temperature and humidity will be displayed at the same time on the LCD. The screen will display "MAX", "MIN", "AVG" sequentially.

Press "REC" button to return to normal operation.
The meter has auto power off feature on normal operation.(10 minutes)
Auto power off is disabled on record mode.