

DESKTOP METER TEST STATION

State-of-the-Art Meter Accuracy Testing in an Affordable Desktop Configuration!

Tired of waiting for access to a production test board? Tired of wasting time going to another building to use test equipment? Need flexibility, state-of-the-art performance, and ease of use? If so, then TESCO's revolutionary 2990 Desktop Meter Test Station is the answer to what you need.

The 2990 revolutionizes meter testing by providing full series parallel meter testing in a small, budget-friendly desktop package.

A fully ANSI compliant test board, the 2990 offers complete testing of all meters under the widest range of test conditions. The new waveform generator has all waveforms called out in ANSI C12.20-2015 (pub. 4/2017). All common electromechanical and solid state meters up to 50 amps can be tested with the 2990 using the single voltage and three isolated current sources.

For more than 110 years customers have trusted TESCO for accuracy and reliability. When you think metering, think TESCO.



THE EASTERN SPECIALTY COMPANY

Desktop Meter Test Station

DTS-2990



SPECIFICATIONS and FEATURES

- Digital Waveform Generator
 - Voltage Drive: 30-480V RMS, 680V PK
 - Current Drive: 0.01A to 50A RMS, 75A PK
 - Arbitrary harmonically defined waveforms
 - Automatic Generation of all ANSI C12.20-2016 waveforms
- True ZERO insertion force socket with automatic closure on meter insertion
- Powerful multi-core, 32bit processors
- 800x480 color LCD display
- Integrated control keypad
- Ethernet connectivity
- Phase fully adjustable as phase or power factor
- Voltage Setting Accuracy: $\pm 1.0\%$
- Current Setting Accuracy: $\pm 1.0\%$
- Fundamental Frequency: 45-65 Hz
- Built in, on voltage, three current reference standard traceable back to NIST
- Measurement Accuracy
 - Voltage : $\pm 0.02\%$
 - Current: $\pm 0.02\%$
 - Watts: $\pm 0.04\%$, $\pm 0.02\%$ typical
 - VA: $\pm 0.04\%$, $\pm 0.02\%$ typical
 - VAR: $\pm 0.04\%$, $\pm 0.02\%$ typical
 - WHrs: $\pm 0.04\%$, $\pm 0.02\%$ typical
 - VAHrs: $\pm 0.04\%$, $\pm 0.02\%$ typical
 - VARHrs: $\pm 0.04\%$, $\pm 0.02\%$ typical
- Simultaneous time and frequency domain measurements
- Meter Forms
 - 1S-6S, 8S-17S, 25S, 26S, 29S, 32S, 35S, 36S, 45S, 46S, 56S, 66S, 76S, 103S, 106S, 109S, 112S, 116S, 125S, 135S, 136S, 145S, 166S
 - Please inquire for adding any other meter forms
- Demand and time-run test capabilities
- Arbitrary harmonically defined waveforms
- Dropped cycle testing
- Optional disconnect testing with supplemental power transformer
- Computer control software package to enable full control of the board and test data storage via external PC
- 12.64"W x 15.47"D x 16.69"H
- 46 pounds
- Powered by 110-130V AC, 50-60Hz 8A
- Options include:
 - 1037-STND optical Pick-Up
 - A-Base Test Board Adapter
 - 1180 K-Base Test Board Adapter
 - Adapter for calibrating the unit
 - Diamond Support with Calibration Service
 - Stand-alone calibration of the unit

Contact TESCO today for a quote or for more information at 215.785.2338.