

Field Equipment

Catalog No.

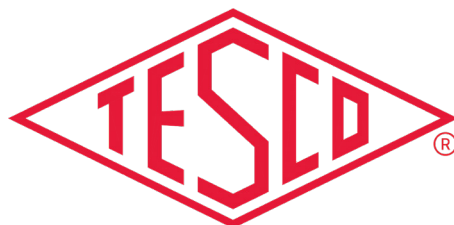
# FTS-2990

Meter Field Test Station

As the industry standard in meter accuracy and functional testing in a small, convenient package, the TESCO DTS-2990 is now available in a portable configuration to help solve the challenges of testing meters at the meter site. The new FTS-2990 maintains the same proven reliability and accuracy for testing both self-contained and transformer-rated meters as the standard DTS-2990, but is now available with a rugged case, making it ideal for meter testing in any location.



**Elevating Meter  
Accuracy Testing  
with a Field-Optimized  
Design.**



TESCO METERING

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Made  
in the  
USA

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## Meter Field Test Station

The FTS-2990 is a fully ANSI-compliant test board, providing comprehensive testing for meters across a wide range of conditions. Its new waveform generator aligns with ANSI C12.20-2015 (pub 4/2017) standards, incorporating all specified waveforms. This system accommodates testing for solid-state meters with a capacity extending up to 50 amps. Utilizing a single voltage and three isolated current sources, the FTS-2990 ensures thorough and precise testing for an array of meters.



### Specifications

- ◇ Digital Waveform Generator
  - Voltage Drive: 30-350V RMS, 606V PK (line to neutral)
  - Current Drive: 0.01A to 50A RMS, 75A PK
  - Arbitrary harmonically defined waveforms
  - Automatic Generation of all ANSI C12.20-2015 waveforms
- ◇ True zero insertion force socket with automatic closure on meter insertion
- ◇ Powerful multi-core, 32bit processors
- ◇ 7" high resolution screen
  - Direct sunlight readable
  - Protected screen
- ◇ Integrated control keypad
- ◇ Ethernet connectivity
- ◇ USB-A & USB-B
- ◇ DB9
- ◇ 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, one 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
  - Valid for 50 or 60 Hz and currents from 0.2 to 50A
- ◇ Simultaneous time and frequency domain measurements
- ◇ All ANSI (12.20-2015pub4/2017) Meter Forms except 7S
- ◇ Demand and time-run test capabilities waveforms
- ◇ Dropped cycle testing on request
- ◇ 1037-DTS Optical P/U
- ◇ Computer control software package to enable full control of the board and test data storage via external PC
- ◇ 21.2" x 16.0" x 10.6"
- ◇ Approximately 55 lbs.
- ◇ Power requirements: 120-480V AC, 1PH, 2A to 1/2A