



THE EASTERN SPECIALTY COMPANY

CAT. 2199

DESKTOP METER QUALIFICATION BOARD

ABOUT

Providing complete capabilities for evaluating meters and communications performance, **TESCO's Cat. 2199 Desktop Meter Qualification Board** can generate any voltage and load conditions the meter may encounter in the field. Apply non-sinusoidal voltages with complex load waveforms. Perform disconnect tests and reconnect tests without having to worry about being able to drive the meter's switches.

If you liked **TESCO's 2100**, then you will love the new **2199 Desktop Meter Qualification Board**. The **2199** provides every option possible on a 2100 plus much more including:

- Voltages that are completely programmable from 30-480 volts (480 developed by 277V line to load; 600V developed by 346V line to neutral)
- Loads that are completely programmable from 0-50 amps
- Standard disconnect/reconnect testing
- A zero insertion force socket (electrically operated)



SPECIFICATIONS & FEATURES

- Voltage Drive: 30-480V RMS, 680V PK
- Current Drive: 0.01A to 50A RMS, 75A PK
- Automatic Generation of all ANSI C12.20-2016 waveforms
- Arbitrary harmonically defined waveforms
- Dropped cycle testing
- Phase fully adjustable as phase or power factor (0-359.9°)
- True ZERO insertion force socket with automatic closure on meter insertion
- Voltage Accuracy: $\pm 0.5\%$ above 60V
- Current Accuracy: $\pm 0.5\%$ above 0.1A
- Voltage and Current Stability: $\pm 0.1\%$ (15°C to 30°C)
- Fundamental Frequency: 45-65Hz
- 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
- Supports all forms requiring AUX power connections
- Supports C12.20-2017 meter forms with AUX power connections
- Power Line Carrier Communication Testing
 - No PRTU or other external equipment are needed to perform PLC communication testing
- Forward/Reverse Current
- 800x480 Color LCD Display
- Integrated control keypad
- Ethernet connectivity
- Remote disconnect switch triggering can be handled up to 50 amps and the state of the disconnect switch will be indicated on the board.
- Power Requirements: 120 VAC, 1PH, 10A. Power cord included.
- Size approximately: 13.13" x 15.50" x 18.19"
- Weight approximately 41 pounds

