

Field Test Equipment

Catalog No.

T3

Turbo Meter Tester Product Specifications



Connections:

- Rear Blades: 320A rated, neutral blades at positions 5 and 7.
- Front Jaws: 50A rated, ANSI standard, neutral at positions 5 and 7.

Interface: Ports: HDMI, USB, Ethernet, Lemo for pulse cable (1037).

Meter Socket Compatibility: Ring type and ringless.

Operating Temperature: -4°F to 140°F (-20°C to 60°C).

Durability: Vibration / shock resistant, and environmentally rugged.

Electrical

Power Conversion: Converts socket power to DC voltage.
Optic Pulse: Handles optic pulses (slow and fast up to 2 MHz).

Synthesizers:

- Three current synthesizers (0.1A–50A, 0.01A resolution).
- 0.3V compliance voltage.
- Adjustable phase (0°–360°).

Metrology:

- Integrated 3-phase watt-hour standard.
- Accuracy: $\pm 0.02\%$ (voltage/current), $\pm 0.04\%$ (energy).
- Voltage-independent accuracy.

Power Consumption: $\leq 75W$, operates on 120V single-phase to 480V three-phase.

Electrical Safety:

- CAT IV rating, surge suppression (IEC 61010-1). Interlocks to prevent live jaws without a meter.

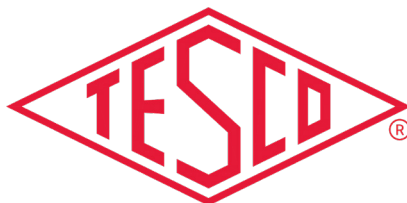
SPECIFICATIONS

Mechanical & Environmental

Collar: 5.2 lbs. 6.9 L x 6.9W x 7.2H

Handheld: 1.6 lbs 10.8L x 4.8W x 1.6H

Compatibility: Supports 1S, 2S, 12S, 16S, 13S, 14S, 15S, 17S, 25S, and 32S meter sockets.



TESCO METERING

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Software

- Intuitive interface and operation.
- Stores test results in a database.
- Performs standard meter tests (accuracy, time-run, etc.).
- Monitors temperature and current output.
- Synchronizes test data and logs.
- Configures unit details and provides diagnostics.

Calibration

Setup: Uses Fluke 6105A for voltage/current calibration.

Phantom Load: No physical load required.

Validation: Logs results and certifies data within tolerance.

Adapters/Fixtures:

- Calibration stand.
- Meter socket adapter.
- Fluke calibration adapter.

Accessories and Interface

Handheld Interface:

- LCD: 600x480 Resolution, 60Hz
- Keypad interface, with 6ft HDMI cable, ~5W power draw.
- Includes high precision scanner on back of the handheld.
- Includes FPGA for data processing.

Optic Pickup: Lemo connector (1037-XXX).

Case: Pelican Case or bag.

Replaceable Spare Fuses

