



*The Eastern Specialty Company*  
*Providing Metering equipment since 1904*

## Catalog No. 1044D

# TESCO Digital Current Transformer Burden Test Set



The Catalog 1044D Current Transformer Burden Test Set is a simple and inexpensive means for testing current transformer installation and condition. The tests are made without interrupting the Customer's service and while the load is on.

The instrument features a digital LCD Display showing Secondary Current and Percent Change with Burden Added. Extensive precautions have been taken in the design so that there will be a continuous and closed path in the wathour meter current circuit at all times, and the secondary of the current transformer will not be opened accidentally.

### Applications:

Current Transformer Burden Test Sets are used to detect the following sources of trouble in any C.T. installation.

1. Short circuited primary turns on C.T.
2. Short circuited secondary turns on C.T.
3. High resistance joints or connections in the C.T. secondary circuit.
4. Short circuited secondary wiring
5. Customer tampering
6. Grounding of normal ungrounded wire
7. Grounding of secondary winding when mounted on grounded structure.

### Features:

- Switches for ANSI values of 0.1, 0.2, 0.5, 1.0, 2.0, 4.0 & 8.0 ohms. Non-standard burden values can be derived by using a combination of different switches to a maximum of 15.8 ohms.
- Push button for adding intermittent burden
- Thermally protected to prevent element burnout
- Easy to read current values
- Automatic system continuity check enhances safety by ensuring the instruments current path is continuous
- Display current before burden is applied, current after burden is applied and percent change

### Specifications:

**Current Range:** 20 Amps AC maximum  
**Burden Values:** 0.1 to 15.8 Ohms  
**Voltage:** 480 Volts AC maximum  
**Case:** Durable Polystyrol material  
**Dimensions:** 7 1/2" x 4 1/4" x 3 3/4" high  
**Weight:** 5 pounds  
**Power:** 6 AA batteries - included

### DIGITAL CURRENT TRANSFORMER BURDEN TEST SET CATALOG NO. 1044D



### OPTIONAL EQUIPMENT FOR NO. 1044D

#### Carrying Case, Cat No. 1046

- **Overall Size:** 8 1/2" x 4" x 7 3/8"
- **Instrument Compartment:** 5 3/8" x 3 5/8" x 7"
- **Lead Compartment:** 2 1/4" x 3 1/2" x 7"
- **Weight:** 1 pound

#### Test Plug, Cat No. 1077

- **Optional Leads**
- J-35-50C 6 ft. cable with copper clip
- J-35-50T 6 ft. cable with catalog 1077 test plug

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