



TESCO METERING

Reliable Results. Every Meter. Every Time.

## Product Information Sheet



925 Canal Street, Bristol, PA 19007

• 215.228.0500

• tescometering.com

## Field Testing

Catalog No.

# 1047

## CT Ratio/Burden Tester

### PRODUCT INTRODUCTION

TESCO's Catalog No. 1047 CT Ratio/Burden Tester is a lightweight, portable and highly accurate in-service test set to assist in finding lost revenue by testing the accuracy of your meter circuits. The CT Ratio/Burden Tester can help determine if there are installations errors, loose connections, incorrect ratios, resistance buildup, open CT's, or manufacturers defects. The CT Ratio/Burden Tester measures and displays the primary and secondary current of the CT under test and the ratio of the currents. All test data is stored in the internal memory and easily uploaded to a PC.

### AT-A-GLANCE SUMMARY

- Lightweight, handheld, and easy to operate
- Works with any CT (up to 20A secondary current)
- Measures and displays CT primary/secondary current and ratio
- Auto burden scan to assess installation quality
- Built-in Demag feature
- Pass/Fail indication for fast field evaluation
- Internal memory stores up to 500 test results
- Rechargeable battery: up to 10 hours of operation
- PC app included for test result upload and review

### SPECIFICATIONS:

- **Current Range:** CT Secondary input, 20A full scale max reading, +/- 0.25% (+/- 2 LSD), 0.1-20A
- **Burden Values:** 0.1, 0.2, 0.5, 1.0, 2.0, 4.0, 8.0 Ohms
- **Operating Environment:** 0-100° F
- **Batteries:** Internal, Rechargeable (will operate for 10 hours on full charge)
- **Dimensions:** 7.5" x 3.75" x 4.25"
- **Weight:** 2.5 lbs.



### INCLUDED ACCESSORIES

- Current Cable (Catalog No. J-1044-50T) with Test Plug connector (included)
- Soft Case (included)
- Battery Charger (included)

### OPTIONAL ACCESSORIES

- Current Probe Extension Cable, Catalog No. C-1047-20 (20') & C-1047-50 (50')
- AC Current Probe (Catalog No. 411) - 600V/600A
- AC Current Probe (Catalog No. 752) - 600V/1,000A
- AmpFlex Flexible Current Probe (Catalog No. 361) - 600V/3,000A
- Amp Litewire Fiber Optic Coupled Ammeter (Catalog No. 801) - 1-2000A



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### ABOUT TESCO

Since 1904, TESCO has been the trusted partner of electric utilities worldwide, delivering durable, precise, and innovative metering solutions designed for the real-world demands of the field and the laboratory. Our products are engineered and manufactured in the USA and backed by world-class technical expertise and support.

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### DISCLAIMER

*TESCO Metering reserves the right to modify product designs, specifications, features, and documentation at any time as part of our continuous improvement process. All information is provided "as is" and may change without prior notice. While TESCO® strives for accuracy, completeness, and technical reliability, customers should verify the latest product details before making purchasing or engineering decisions. For confirmation of current specifications or application suitability, please contact TESCO® directly.*