



925 Canal Street, Bristol, PA 19007
• 215.228.0500
• tescometering.com

Reliable Results. Every Meter. Every Time.

Field Testing

Catalog No.

6330

Meter Site Analyzer

INCLUDED ACCESSORIES

From left to right: 6330 Meter Site Analyzer in Pelican Case, Battery Charger and Battery Pack (pre-installed), and 1037-SA Optical Pickup



6330

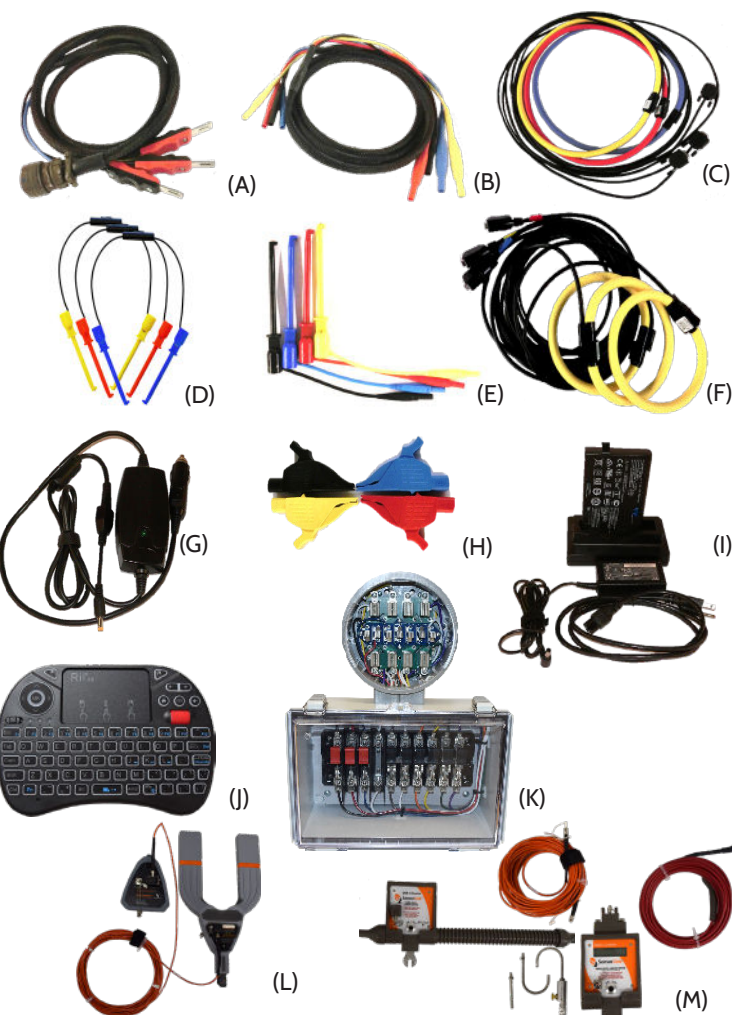
ABOUT TESCO

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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OPTIONAL ACCESSORIES

From left: Current Cable with Duckbill Probes (A); Voltage Set (B); Rogowski Current Coils in Red, Yellow, and Blue (C); EZ-Hook Fused Current Jumpers (D); EZ-Hook Test Clip with Safety Fuse (E); Rogowski Current Coils in Yellow (F); Vehicle Charger (G); Dolphin Test Clips (H); Spare Battery in Desktop Stand Alone Battery Charger (I); Mini Keyboard (J); and 290 Test Switch Adapter which comes in several versions to test different terminal configurations: 290-13T, the 290-8T, the 290-6T4S, and the 290-6T3S (K); PO2-0802 Fiber Optic Coupled Ammeter (L); PO2-0803 High Voltage Voltmeter Probe (M).



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PRODUCT INTRODUCTION

As a utility, the majority of revenue comes from large customers who have transformer-related services. At transformer-rated sites, the opportunity for something to go wrong is much greater than at a self-contained site. Studies have shown that at transformer-rated sites, the vast majority of issues are related to wiring, CTs, PTs and other issues. If you want to be sure that the customer is billed correctly and you are not losing revenue, you must test the whole site, not just the meter.

TESCO's all-in-one **6330 Meter Site Analyzer** gives you the most versatile site testing tool available in a small, lightweight package.

KEY FEATURES

- Complete Site Verification
- Ct Testing (Ratio With Burden, Burden, Admittance)
- Meter Testing
- Customer Load To 20a
- Load Box To 5a
- Accuracy, Demand, Timed Register, Timed Run, Energy Delivery
- "Fast Key" Anytime Data
- Metrology Data
- Phasor Diagrams
- Live Waveforms With Recording
- Harmonics

METER TEST:

Meter testing using site voltage and current by connecting to test switch. Customer load testing and/or Phantom load testing to comply with ANSI C12.1 FL/LL/PF.



METER TEST MODES:

- Accuracy using pulse output of meter
- Timed Run
- Timed Register
- Demand
- Energy Delivery

CT TEST:

- Ratio testing with continuously variable added burden up to 8 ohms
- Ratio testing with applied burden up to 8 ohms
- Burden only testing with continuously variable added burden up to 8 ohms Admittance testing Demag

OTHER:

- Harmonic analysis up to 50th
- Voltage, Current, Power Factor, VA, VAR, Watts, Vah, VARh, kWh, THD, Frequency, Phase Rotation
- Waveform Recording
- Phasor Diagrams



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TDM INTEGRATION: MORE THAN A METER SITE ANALYZER

TESCO Device Manager (TDM) takes the 6330 to the next level, streamlining how you capture, store, and report data.

With TDM, you can:

- Instantly create and customize PDF reports
- Export data to CSV for deeper analysis
- Extract and sync data from multiple 6330 units
- Simultaneously update firmware across your 6330 fleet
- Import and clone site data between units

As part of the 6330, TDM transforms your field testing process from powerful to unstoppable.

TEST MODES & CAPABILITIES

- Meter Testing: Accuracy, Timed Run, Timed Register, Demand, Energy Delivery
- CT Testing: Ratio with burden/admittance, demag, burden-only mode
- Load Testing: Customer load to 20A / Internal load box to 5A
- Live Diagnostics: Fast Key access to real-time phasors, metrology data, harmonics, and waveforms

SPECIFICATIONS

- Standard Unit:**
- 6330 TESCO Meter Site Analyzer
 - BOO-0001: Battery Pack, 11.1V, 8.8Ah, 99Whr battery (3s3p)
 - BC1-0003: Battery Charger, 90W 19VDC output, 85-264VAC input with 6 ft. cord
 - 1037-SA: TESCO Optional Pickup with 9.84 ft. cable, Next Gen compatible

MEASUREMENT CAPABILITIES

VOLTAGE: 3 Channels 0.05 to 650 VAC isolated; for full accuracy voltage range is 50V to 650 V (920V peak)
CURRENT: 3 Channels 0.001 to 21 Amps fully isolated; for full accuracy current range is 0.1A to 21A (30A peak)
PROBES: 3 Channels ± 0.001 to 2.0 volts peak. When used with TESCO branded Rogowski coils, a dynamic range in excess of 1000:1 is achieved. Standard range for coils is 5 to 5000.
ADMITTANCE: Admittance measurement
POWER: Active Energy, Reactive Energy, Apparent Energy
HARMONICS: Harmonics to the 50th

PHYSICAL

- CASE:** Pelican® AIR 1485 case, 18.2" x 13.9" x 6.7", water resistant
WEIGHT: 17.8 lbs. with basic items needed in the field
FRONT PANEL: Membrane
DISPLAY: 7" super high contrast, 1000nit color display with bonded glass optical filter/protector
I/O:
- Ethernet
 - 4x USB 2.0 Type A (peripherals such as keyboard, mouse, memory stick, barcode scanner)
 - 1X USB 2.0 Type B (connection to PC)Pulse Pickup/Optical Communications/Pulse In/Pulse Out
 - Connector
 - DB9M, 3X Probe Inputs with auto-recognition, auto read of calibration
 - Safety 4mm sockets for VA, VB, VC, Neutral
 - Locking connector for three 20A current channels
- POWER:**
- 99.6WHr Battery, no power from site needed even in load box mode
 - Easily replaceable battery/swap out quickly
 - Greater than 8 hours continuous operation on a single charge
- AUX POWER:**
- 15VDC to 19.2VDC
 - Rapid charging using AC or 12V power
- GPS:** Integrated GPS locator
CABLES: Designed to remain connected at all times
TEMPERATURE RANGE: -10°F to 120°F (-23.33°C TO 48.89°C)



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ACCURACY

VOLTAGE: $\pm 0.02\%$ (50V to 650V)
CURRENT: $\pm 0.02\%$ (0.1A to 21A)
PHASE: ± 0.005 DEGREES
W, WHrs: $\pm 0.04\%$
VA, VAHrs: $\pm 0.04\%$ (conformance to definitions)
VAR, VARHrs: $\pm 0.04\%$ (conformance to definitions)
PROBE CHANNELS: $\pm 0.05\%$ plus probe uncertainty

METER SITE ANALYZER TEST SCREENS

