

Specifications

TES-3600 3-Phase Power Analyzer

Features in brief:

- 10 display easy to view LCD screen
- Connectors for 4 current sensing clamps
- 1P2W, 1P3W, 3P3W2M, & 3P4W power measurement
- True RMS sensing
- Power KW, KVAR, KVA, PF, fc , Hz, & Energy KWh, KVARh, KVAh measurement
- Comprehensive reports in both graphical and alphanumeric formats
- Backlit display
- Manual data memory & read, (99 sets)
- Data Logging, (512 kB memory, 20,000 sets)
- Programmable trigger – Points & Start/Stop time
- RS-232 Optical interface with three phase voltage/current Waveform display and Harmonic Analysis
- Easy-to-use push button operation
- Lightweight portable design

Electrical Specifications (23°C ± 5°C)

Voltage Measurement (V):

Range	Accuracy	Comments
600V (True RMS)	±0.5% rdg ±10 digits (>30 volts)	Input impedance 2MΩ

Current Measurement (A):

Range	Accuracy	Comments
250A (True RMS)	±0.5% rdg ±10 digits	CT accuracy must be added
500A (True RMS)	±0.5% rdg ±10 digits	CT accuracy must be added
1000A (True RMS)	±0.5% rdg ±10 digits	CT accuracy must be added

Active Power Measurement (KW):

Range	Accuracy	Comments
Determined by V x A range combination	±0.5% rdg ±10 digits plus CT accuracy	Power factor effect ±0.1%rd

Reactive Power Measurement (KVAR):

Range	Accuracy	Comments
Determined by V x A Range combination	±0.5% rdg ±10 digits plus CT accuracy	Power factor effect ±0.1%rd

Apparent Power Measurement (KVA):

Range	Accuracy	Comments
Determined by V x A Range combination	±0.5% rdg ±10 digits plus CT accuracy	

Power Integration Measurement:

Power Integration	Resolution	Accuracy
0.0KWk to 9999MWh	0.1 KWh	±0.5% rdg ±10 digits plus CT accuracy
0.0KVARh to 9999MVARh	0.1KVARh	±0.5% rdg ±10 digits plus CT accuracy
0.0KVAh to 0000MVAh	0.1KVAh	±0.5% rdg ±10 digits plus CT accuracy

Power Factor Measurement:

Range	Accuracy	Polarity Display
-1.000 (lead) to 0.000 to 0+1.000 (lag)	±1 digit for each calculation from measured values	Unsigned when current lags voltage; when current leads voltage: “-“

Frequency Measurement:

Range	Accuracy	Measurement Source
40 Hz to 100 Hz	±0.5% rdg ±1 digit	Voltage U1

General specifications:

Size: (235 x 116 x 54)mm or (9.3 x 4.6 x 2.1)inches
 Operating temp./humidity: 0°C to 50°C (32°F to 122°F). RH <80% non-condensing
 Storage temp./humidity: -10°C to 60°C (14°F to 140°F). RH <70% non-condensing

Accessories included:

- Instruction Manual
- Software (CD) with Optical RS-232 Interface
- Deluxe Carrying Case
- AA Batteries (qty 8)
- AC Adapter for 110V or 220V outlet
- 1000 amp CT's with 3 meter cables and 40mm jaw opening (qty 4)
- 3-meter Voltage Leads (crocodile): Blue, Yellow, Red, Black