

TES

Reliable in Quality



TES-3600 3 phase Power Analyzer

(1P2W, 1P3W, 3P3W2M & 3P4W)

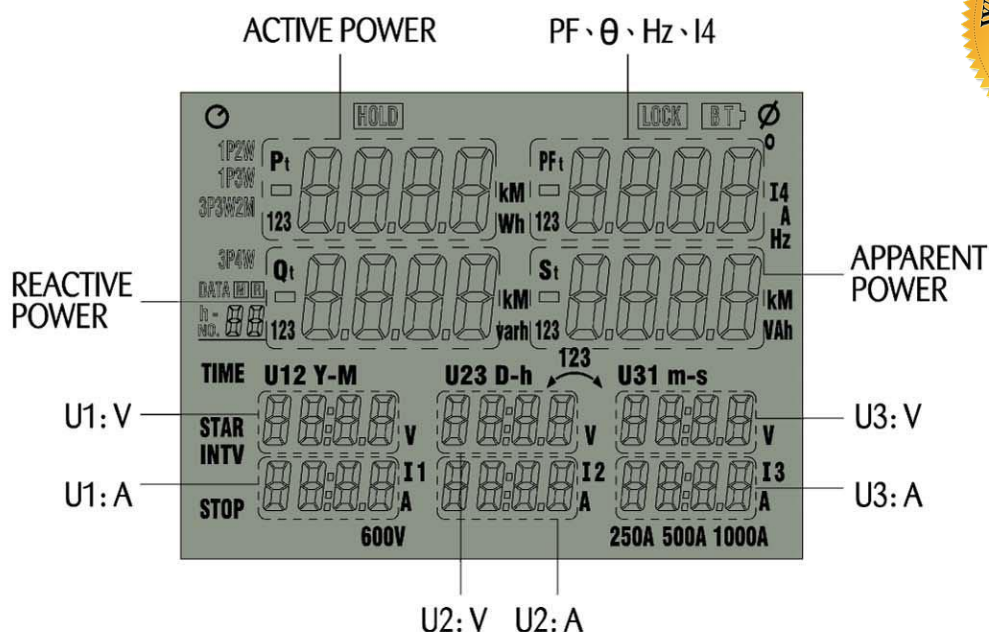
- 4 Current Clamp Probes
- True RMS Sensing
- Datalogger (512 KB Memory, 20,000 Readings)
- Displays 10 Parameters at the same time
- RS-232 interface / software
- Software to view Real Time Waveform

**KW, KVAR, KVA, pF,
KWh, KVARh & KVAh**

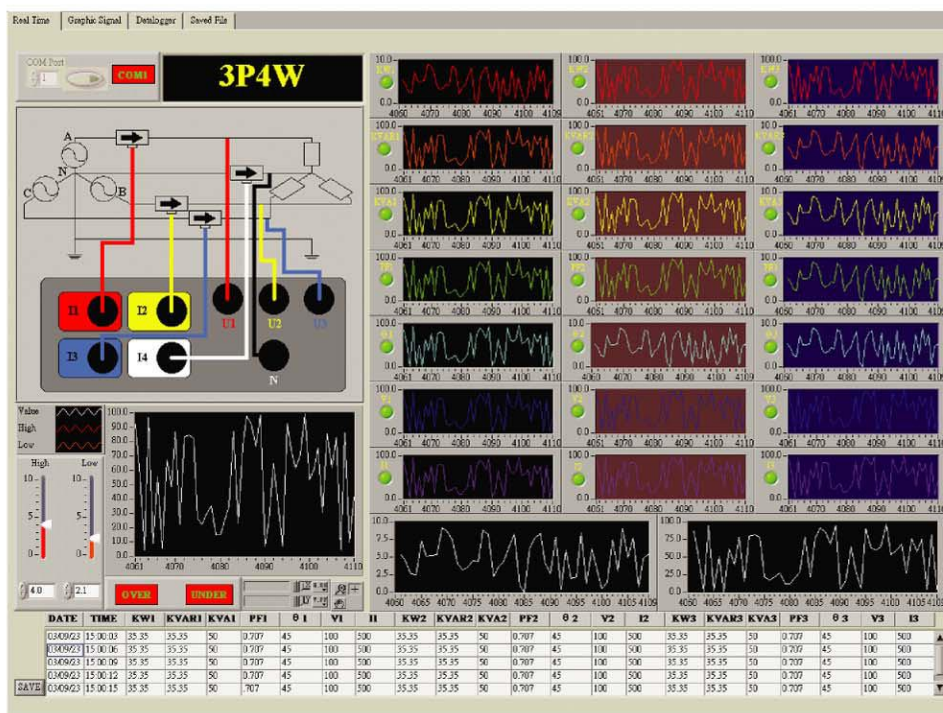


CAT III 1000V

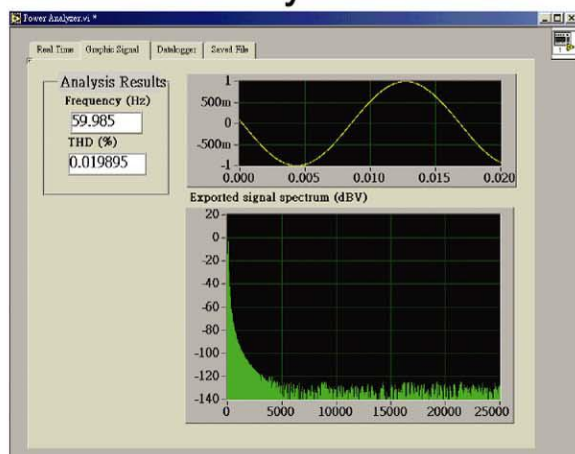
■ Displays 10 Power Parameters at the same time



■ P.C. Software



■ Harmonic Analysis



1. Power Measurement

■ Active Power Measurement (KW) :

Range	Accuracy	Effect of power factor
600.0KW	$\pm 0.5\% \text{rdg} \pm 10 \text{dgt} + \text{clamp}$ on sensor specification	$\pm 0.1\% \text{rdg}$

■ Reactive Power Measurement (KVAR) :

Range	Accuracy	Effect of power factor
600.0KVAR	$\pm 0.5\% \text{rdg} \pm 10 \text{dgt} + \text{clamp}$ on sensor specification	$\pm 0.1\% \text{rdg}$

■ Apparent Power Measurement (KVA) :

Range	Accuracy
600.0KVA	$\pm 0.5\% \text{rdg} \pm 10 \text{dgt} + \text{clamp}$ on sensor specification

■ Power Factor Measurement :

Range	Accuracy	Polarity display
-1.000(lead) to 0.000 to + 1.000 (lag)	$\pm 1 \text{dgt}$ for each calculation from measured values	When the current lags the voltage unsigned ; when the current leads the voltage : "-".

■ Power Integration Measurement :

Power Integration	Resolution	Accuracy
0.0KWh to 9999MWh	0.1KWh	$\pm 0.5\% \text{rdg} \pm 10 \text{dgt} + \text{clamp}$ on sensor specifications
0.0Kvarh to 9999Mvarh	0.1Kvarh	
0.0KVAh to 9999MVAh	0.1KVAh	

2. Datalogging Capacity (512KB Memory, 20,000 Readings):

Auto Data logger (20000 sets data) function can be setting the start/stop and interval time, use the store data download to PC for further power analyzer to V, I, P, Q, S, PF, KW, KVAR and KVA time varying graph and maximum, minimum, average value with elapsed time.

3. Carrying Case Package :



TES 3600 3 Phase POWER ANALYZER

FEATURES :

- 10 Display Easy-to-View LCD Screen.
- Connects for 4 Current Sensing Clamps.
- 1P2W, 1P3W, 3P3W2M & 3P4W Power Measurement.
- True RMS Sensing.
- Power KW, KVAR, KVA, PF, θ , Hz, & Energy KWh, KVARh & KVAh Measurement.
- Phase sequency indicator function.
- Backlight display function
- Manual Data Memory and Read (99 sets).
- Data Logging (512KB Memory, 20,000 sets)
- Programmable Trigger - Points and Start / Stop Time.
- RS-232 Optical Interface with three phase voltage / current Waveform display and Harmonic analysis.
- Easy - to - use Push - Button Operation.
- Light Weight, Portable Design

ELECTRICAL SPECIFICATIONS (23°C±5°C)

■ Voltage Measurement (V) :

Range	Method	Accuracy	Input impedance
600.0V	True RMS	$\pm 0.5\% \text{rdg} \pm 10 \text{dgt}$ (>30V)	2M Ω

■ **Current Measurement (A) :**

Ranges	Method	Accuracy
250A 500A 1000A	True RMS	$\pm 0.5\% \text{rdg} \pm 10 \text{dpts} + \text{clamp}$ on sensor specifications

■ Active Power Measurement (KW) :

Range	Accuracy	Effect of power factor
600.0KW	±0.5%rdg±10dgts+clamp on sensor specification	±0.1%rdg

■ Reactive Power Measurement (KVAR) :

Range	Accuracy	Effect of power factor
600.0KVAR	±0.5%rdg±10dgts+clamp on sensor specification	±0.1%rdg

■ **Apparent Power Measurement (KVA) :**

Range	Accuracy
600.0KVA	±0.5%rdg±10dgts+clamp on sensor specification

■ Power Integration Measurement :

Power Integration	Resolution	Accuracy
0.0KWh to 9999MWh	0.1KWh	±0.5%rdg±10dgts+clamp on sensor specifications
0.0Kvarh to 9999Mvarh	0.1Kvarh	
0.0KVAh to 9999MVAh	0.1KVAh	

■ Power Factor Measurement :

Range	Accuracy	Polarity display
-1.000(lead) to 0.000 to + 1.000 (lag)	±1dgt for each calculation from measured values	When the current lags the voltage unsigned ; when the current leads the voltage : "-".

■ Frequency Measurement :

Range	Measurement source	Accuracy
40Hz to 100Hz	Voltage U1	$\pm 0.5\% \text{rdg} \pm 1 \text{dgt}$

GENERAL SPECIFICATIONS :

Size	235(L)x116(W)x54(H)mm (9.3"Lx4.6"Wx2.1"H)
Operating Temperature and Humidity	0°C to 50°C (32°F to 122°F) R.H. < 80% non-condensing
Storage Temperature and Humidity	-10°C to 60°C (14°F to 140°F) R.H. < 70% non-condensing
Accessories	① Instruction manual ② Softwar CD rom / Optical RS-232 interface ③ Deluxe carrying case ④ Battery ("AA" 1.5V x 8pcs) ⑤ AC adaptor (110V-->12V ; 220V-->12V) ⑥ 4pcs current clamp transducer (1, 2, 3, 4 cable length 3 meters) (1000A AC, jaw opening 40mm) ⑦ 4pcs crocodiles test leads (blue, yellow, red, black, wire length 3 meters)



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