TES

Reliable in Quality

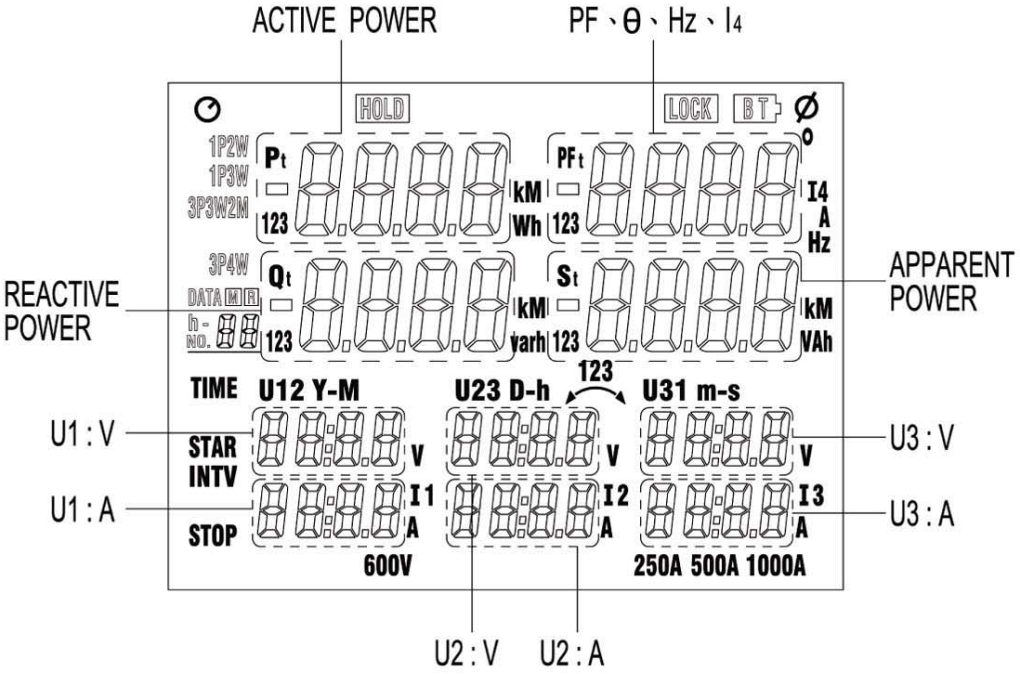
TES-3600 3 phase Power Analyzer

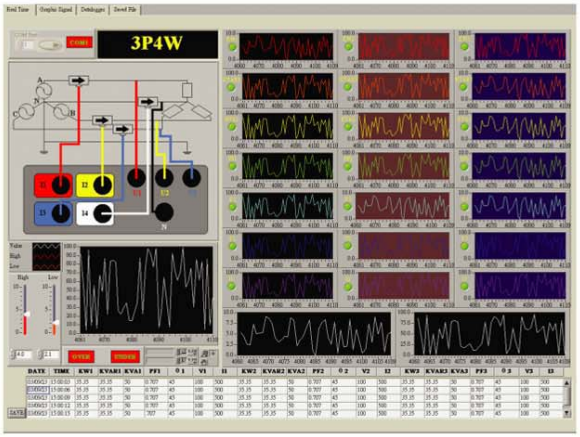
(1P2W, 1P3W, 3P3W2M, 3P3W3M & 3P4W)

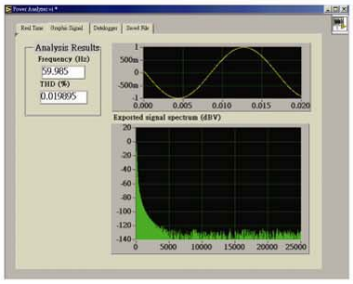
- 4 Current Clamp Probes
- True RMS Sensing
- Datalogger (512 KB Memory, 20,000 Readings)
- Displays 10 Readings at the same time
- Software to view Real Time Waveform
- RS-232 interface / software

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

CAT III 1000V


ACTIVE POWER
PF、θ、Hz、I4
HOLD
LOCK
BT
1P2W
1P3W
3P3W2M
Pt
123
kM
Wh
PFt
I4
A
Hz
3P4W
Qt
kM
varh
St
kM
VAh
APPARENT POWER
REACTIVE POWER
DATA M R
h-
NO.
TIME
U12 Y-M
U23 D-h
123
U31 m-s
U1 : V
STAR
INTV
V
U3 : V
U1 : A
STOP
I1
A
I2
I3
U3 : A
600V
250A 500A 1000A
U2 : V
U2 : A


3P4W


Analysis Results
Frequency (Hz)
59.985
THD (%)
0.019895
Exported signal spectrum (dBV)

1. Power Measurement

Active Power Measurement (KW)
Reactive Power Measurement (KVAR)
Apparent Power Measurement (KVA)
Power Integration Measurement
Power Factor Measurement

2. Datalogging Capacity

Manual data memory including each 3 sets V, I, P, Q, S, PF, £c and Hz data Store to memory, total 99 sets data display on LCD for recorder.

3. Carrying Case Package :

TES 3600 3P4W POWER ANALYZER

FEATURES :

- 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, £c, Hz, & Energy KWh, KVARh & KVAh Measurement.
- Backlight display.
- 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) :

Ranges	Method	Accuracy	Input impedance
600.0V	True RMS	±0.5%rdg±10dgts (>30V)	2MΩ

■ Current Measurement (A) :

Ranges	Method	Accuracy
250A 500A 1000A	True RMS	±0.5%rdg±10dgts+clamp on sensor specifications

■ Active Power Measurement (KW) :

Ranges	Accuracy	Effect of power factor
Determined by the voltage x current range combination	±0.5%rdg±10dgts+clamp on sensor specification	±0.1%rd

■ Reactive Power Measurement (KVAR) :

Ranges	Accuracy	Effect of power factor
Determined by the voltage x current range combination	±0.5%rdg±10dgts+clamp on sensor specification	±0.1%rd

■ Apparent Power Measurement (KVA) :

Ranges	Accuracy
Determined by the voltage x current range combination	±0.5%rdg±10dgts+clamp on sensor specification

■ Power Integration Measuremen :

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 Measuremen :

Ranges	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 Measuremen :

Ranges	Measurement source	Accuracy
40Hz to 100Hz	Voltage U1	±0.5%rdg±1dgt

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)

TES ELECTRICAL ELECTRONIC CORP.
7F, No.31 Lane 513, Rui Guang Rd., Neihu Dist, Taipei , Taiwan
Tel : (02) 2799-3660 Fax : 886-2-2799-5099
E-mail : tes@ms9.hinet.net **http://www.tes.com.tw**