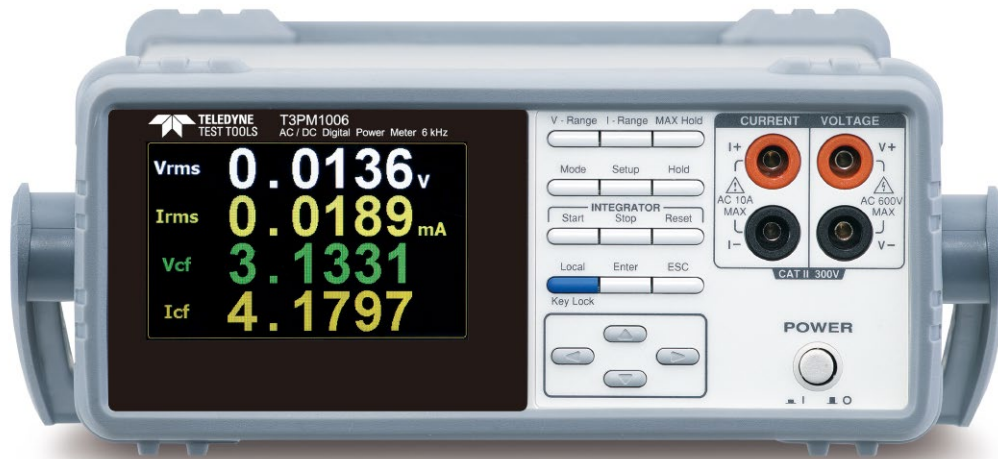


T3PM1006 Fact Sheet

Digital Power Meter



Tools for Improved Debugging

- 4" Large TFT LCD Display.
 - ✔ Clear visibility of your measurement results.
- Two numerical display modes along with a waveform display of various parameters.
 - ✔ Choose the best display mode for your measurement requirements.
- Front and Rear Input Terminal.
 - ✔ Flexibility in choosing measuring terminals.
- Standard interfaces: USB, LAN, RS-232C.
 - ✔ Remote control of your measurements.
- 3 Years Warranty as standard.
 - ✔ Reliable product gives peace of mind.

Key Specifications

Specification	T3PM1006
Input Type	Voltage: Floating input through resistive voltage divider Current: Floating input through shunt
Measurement Range	Voltage: 15 V, 30 V, 60 V, 150 V, 300 V, 600 V Current: 5 mA, 10 mA, 20 mA, 50 mA, 100 mA, 200 mA, 0.5 A, 1 A, 2 A, 5 A, 10 A, 20 A
Input Bandwidth	DC, 45 Hz to 6 kHz

For more information, please contact:



T3PM1006 Fact Sheet

Digital Power Meter



Features

- 4" TFT LCD
- DC to 6 kHz Voltage/Current Test Frequency Bandwidth
- Two numerical display modes
- General Mode: Displays 2 main test items + 6 secondary test items
- Simple Mode: Displays the test values of 4 main test items
- Meets the Requirement for IEC 62301 Power Measurement
- Voltage/Current Test Frequency Bandwidth: DC – 6 kHz
- Watt Resolution: 1 mW
- Current Resolution: 0.1 μ A
- Current/Voltage Measurements Reach CF = 3 for Distorted Wave and CF = 6 for Half Range
- W-h Power vs Time/A-h Current vs Time Integration Function
- Total Harmonic Distortion Measurement
- Standard Interfaces: RS-232C, USB Device/Host, LAN

VARIOUS MEASUREMENT PARAMETERS

MEASUREMENT ITEMS	Symbols
Voltage	Vrms, V+pk, V-pk, Vdc*
Current	Irms, I+pk, I-pk, Idc*
Power	P, P+pk, P-pk, VA, VAR
Power Factor	PF
Crest Factor	CFV, CFI
Phase Angle	DEG
Frequency	VHz, IHz
Total Harmonic Distortion	THDV, THDI
INTEGRATION	WP, WP+, WP-, q, q+, q-

Note: *V dc/Idc is selectable only when measurement mode DC is selected

T3PM1006 provides various measurement functions such as voltage, current, frequency, active power, apparent power, reactive power, power factor, crest factor, and total harmonic distortion measurement.



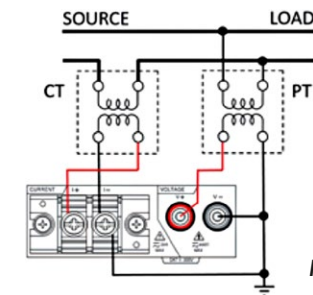
T3PM1006 is also equipped to measure time integral of power or current for the DUT. Users can set a time window to perform instantaneous power integration at specified intervals and then divide value by total time period to obtain the average power of the DUT.

OPTIMAL MEASUREMENT CAPABILITIES



Low Current Range & High Resolution

T3PM1006 offers measurement frequency bandwidth of DC-6kHz, minimum current level of 5 mA (resolution: 0.1 μ A), power measurement resolution of 1 μ W (1 μ W for minimum current and voltage levels; 1 mW for maximum current and voltage levels). These parameters meet the test requirement according to IEC 62301/ EN 50564 standard and hence can be used to measure standby power consumption of low power devices.



PT/CT Connection

T3PM1006 offers PT/CT rate functions for large voltage/current measurement applications. High voltage measurements can be done using VT rate setting along with an external voltage Potential Transformer. Current measurements above 20 A can be done by connecting Current Transformer (current output type) directly to current input terminal on the rear panel and setting the appropriate CT ratio state in the Ratio configuration menu.

DUAL DISPLAY MODES



Standard Mode (Setting & 8 Measurements)



Simple Mode (4 Measurements)

T3PM1006 provides two display modes for various measuring situations. Standard mode displays 8 measurement parameters (2 major measurements + 6 secondary measurements) and related measurement setting parameters which is ideal for applications in R&D, design, and engineering verification. Simple mode displays four measurement parameters which can be useful in production environments.