

PITE 3551T Three Phase Meter Tester



It is multi-functional in field-testing for all wiring power meters and metering units in power grid of three phase and single phase. Testing functions include: metering unit, power meter and harmonics. With these function, it is widely used in power utility, substation, telecom machine room and the alike for power consumption examination, circuit breakage inspection, power abnormality analyzing, harmonics analyzing, asset management and industrial production management.

Feature

- ◆ Smart, portable and easy touch-screen (TFT) operation
- ◆ Single-phase and three-phase measurement, two in one
- ◆ Combination of electricity meter tester and power quality analyzer
- ◆ Online monitor for real-time data testing and comparison
- ◆ Safe and quick measurement for electricity anti-theft
- ◆ Test result playback on screen and transferable to PC for report printing, can record up to 1000 records
- ◆ User-friendly interface and vivid screen display, simplify on-site testing power meters

Function

Functions	Description
Meter measurement	Three phase metering unit Three phase power meter Single phase metering unit Single phase power meter High-volt power meter
CT ratio	Test CT ratio and phase deviation
Online monitor	Test active energy, reactive energy, harmonic active, harmonic reactive and power factor in low-volt with load Test active energy, reactive energy, harmonic active, harmonic reactive, power factor of power meter in different voltage rate. Test fundamental harmonic and all harmonics loads
Harmonic	1-50 th current harmonics and voltage harmonics amplitude, THD, harmonic content

Technical specifications

Voltage signal input: Direct input

- ◆ Resistance: >2M Ω , 20pF
- ◆ Testing range: 10~700Vrms
- ◆ Peak voltage: 1000V
- ◆ Power consumption: <0.5VA/phase

Current input circuit

- ◆ Indirect input, with different current clamps
- ◆ Testing range: 20Arms, 100Arms, 500Arms, 1000Arms
- ◆ Power consumption: < 2.0VA/phase

Frequency range: 40 Hz ~70Hz

Measurement accuracy: 0.02Hz

Screen and memory

- ◆ Screen: 640×480, 3.5' TFT LCD touch-screen
- ◆ Internal Memory: 16 MB Flash
- ◆ External Memory: 256MB
- ◆ Com port: USB port
- ◆ Data records: 1000

Power supply:

- ◆ Rechargeable Li-ion battery workable for 5~6 hours
- ◆ Power adaptor: AC100~240V/DC16.8V-1A adaptor

Others

- ◆ Main unit: 0.7kg, 277×169×36mm
- ◆ Working temperature: -0 °C ~ +45°C
- ◆ Relative humidity: 5~90%RH
- ◆ Insulation: >100M Ω , AC2kV/50Hz, 1 min



Optional scanning head

Item	Range	Accuracy
Voltage	10~700Vrms	±0.2%
Current	Optional for 20A, 60A, 100A, 500A and 1000A CCT	±0.2%
Frequency	40~70Hz	±0.01Hz
Phase	0~360°	±0.1°
Active power	-----	±0.5%
Reactive power	-----	±1.0%
Active energy	-----	±0.5%
Reactive energy	-----	±1.0%
Power factor	0.00~1.00	±0.005
Harmonics	Voltage harmonics: 1~50th harmonics Current harmonics: 1~50th harmonics	Volt harmonics: ±0.01(%f) Current harmonics: ±0.5%
Impulse constant	FL = 36000×(5/Ie)P/kW·h Ie: CT range	

PITE TECH. INC.

ADD: 4/F, Bldg A, Chiwan Industrial Park, Shaodi Rd., Chiwan, Shekou Area, Shenzhen, China

Tel: +86-755-2680 5759

Fax: +86-755-2688 0310

sales@pitotech.com

www.pitotech.com