

## MT-3551T Three Phase Meter Tester

It is multi-functional in field testing for power meters and metering units of all wirings. Testing functions include: metering unit and power meter. 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, 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
- ◆ User-friendly interface and vivid screen display, simplify on-site testing power meters

### Technical specification

Voltage signal input: Direct input

- ◆ Resistance:  $>2M\Omega$ , 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, 500Arms, 1000Arms
- ◆ Power consumption:  $<2.0VA/phase$

Frequency range: 40 Hz ~70Hz

Measurement accuracy: 0.5

Screen and memory

- ◆ Screen: 640×480, 3.5' TFT LCD touch-screen
- ◆ Internal Memory: 16 MB Flash
- ◆ External Memory: 4GB
- ◆ Com port: USB port

Power supply: Rechargeable Li-ion battery

Workable for 5~6 hours

- ◆ Power adaptor: AC100~240V/DC16.8V-1A adaptor
- ◆ Main unit: 0.7kg, 277×169×36mm
- ◆ Working temperature: -20~40°C
- ◆ Relative humidity: 5~90%RH
- ◆ Insulation:  $>2M\Omega$ , AC1500V/50Hz, 1 min



Optional Printer

## Other Specification

Item	Range	Accuracy
Voltage	10~700Vrms	±0.3%
Current	Optional for 5A, 10A, 20A, 60A, 100A, 500A and 1000A CT	±0.3%
Frequency	40~70Hz	±0.01Hz
Phase	0~360°	±0.5°
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: 1~50 Current harmonics: 1~50	Volt harmonics: ±0.2(%f) Current harmonics: ±0.2(%f)
Impulse constant	FL = 36000×(5/le)P/kW·h    le: CT range	

## 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	1) Active energy, reactive energy, harmonic active, harmonic reactive and power factor in low-volt with load 2) Active energy, reactive energy, harmonic active, harmonic reactive, power factor of power meter in different voltage rate. 3) Fundamental harmonic and all harmonics loads
Harmonic	1-50 current harmonics and voltage harmonics, THD, harmonic content
Wire connection	Help judge if wire connection with meter is correct or not.



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