

PITE 3552 Power Meter Tester

---Get "Power" in hand!!!

It is multi-functional in field-testing for all wiring power meters and metering units in power grid of high and low voltage. 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. What's more, it is especially applied by billing departments/companies for electricity losses, high-tech electricity theft and pre-metering theft. PITE 3352 could be used individually; meanwhile, it could communicate with each other with its wireless adaptor.



Feature

- ◆ Touch-screen (TFT) and keyboard synchronous operation
- ◆ Single-phase and three-phase measurement, two in one
- ◆ Test all metering units and power meters of both high and low volt under 10KV
- ◆ 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 meter error
- ◆ Test result playback on screen and transferable to PC for report printing
- ◆ User-friendly interface and vivid screen display, simplify on-site testing of industrial and residential billing meters
- ◆ Different units could be used simultaneously in the circuit for comprehensive testing and troubleshooting

Technical Parameter

Voltage signal input: Direct input

- ◆ Resistance: >2MΩ, 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

- ◆ Screen: 320*240, 5.7" TFT LCD touch-screen
- ◆ Internal Memory: 16 MB Flash
- ◆ External Memory:256MB
- ◆ 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: 1.2kg, 277x169x36mm
- ◆ Working temperature: -20~40°C
- ◆ Relative humidity: 5~90%RH
- ◆ Insulation: >2MΩ, AC1500V/50Hz, 1 min

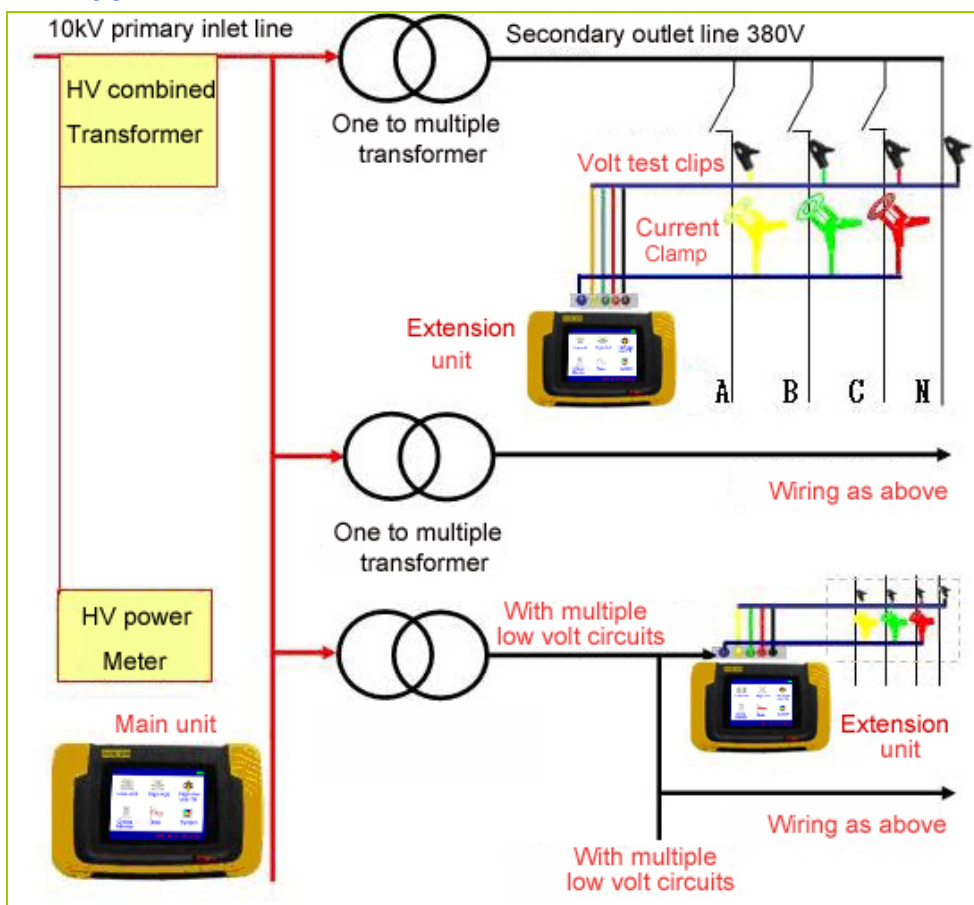
Communication between main unit and extension unit

- ◆ Transmitting frequency: 433MHz
- ◆ Communication distance:>800 meters
- ◆ Frequency modulation: FSK



Optional thermal printer for instant print-out

Example of Application



This is application in high-volt metering unit with multiple units working simultaneously.
It is also applicable in other metering units and power meters.

Functionality

Function	Description
Low-volt measurement	Could test 3-phase 4 wire metering units and single-phase power meters
High-volt measurement	Could test high voltage metering units and power meters
High-Low volt CT ratio	Test high-volt CT and low-volt CT

Online measurement	Active power, reactive power and power factor of 3-phase 4 wire circuit
Harmonics Measurement	Harmonic measurement up to 50 Times. Test result includes: each harmonic voltage, harmonic current amplitude, Total Harmonic Distortion (THD), voltage harmonic/ current harmonic ratio (HR) and harmonic spectrum.
Test result playback	Convenient playback of testing result

Technical Parameter:

Specification	Testing range	Accuracy
Voltage/current/ frequency	3-phase voltage: 10~700Vrms 3-phase current: 0.5~1000Arms Frequency: 40~70Hz	Voltage: $\pm 0.5\%$ Current: $\pm 0.5\%$ Frequency: $\pm 0.01\text{Hz}$
Harmonic testing	Voltage harmonic: total harmonic+1~50 th Current harmonic: total harmonic+1~50 th	Voltage harmonic: $\pm 0.1(\%r)$ Current harmonic: $\pm 1\%$
Power measurement	Active power: 0.05~700kW Apparent: 0.05~700kVA Reactive power: 0.05~700KVAR Power factor: 0.00~1.00 KWh: 0.01~10000kW·h KVAh: 0.01~10000kVA·h kVARh: 0.01~10000 kVARh Average Total Power Factor : 0.00~1.00	Active Power: $\pm 1\%$ Apparent Power: $\pm 1\%$ Reactive Power: $\pm 1\%$ Power Factor: ± 0.005 Active Energy: $\pm 1\%$ Apparent Energy: $\pm 1\%$ Reactive Energy: $\pm 1\%$ Average Power Factor: ± 0.005

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