



MT331

Three Phase Meter Tester

Overview

MT331 is a portable device made for test and inspection of single and three phase consumer measurement devices. This device is designed by the test and inspection standards of national distribution companies and is able to test various digital and mechanical single and three phase meters.

Main Features

- ▶ Null current measurement separate from other phases currents
- ▶ Complete isolation of digital section from power measurement section
- ▶ Equipped with protection circuits to prevent probable shocks and user faults due to wrong electronic connections
- ▶ With a special connector for connecting all clamps in order to reduce the cable amount excess disturbance.
- ▶ Protection against excess current due to short circuit in attachable accessories
- ▶ Device calibration with 2 different clamps
- ▶ Digital pulse counter attachment capability
- ▶ Meter data reading through optical port capability
- ▶ File access level restrictions and valid working hours time definition for meter readers
- ▶ Battery replacement with no need or opening the device
- ▶ Intelligent charging system for controlling the charging process
- ▶ Geographical location entry using GPS (if requested)
- ▶ Capable of registering all observations and measuring device specifications
- ▶ Testing of single phase, three phase, active, reactive, demanding and undemanding digital and mechanical electricity meters



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Specifications

Registered and shown Parameters	Voltage, Current, phase difference, visual power, active power, reactive power, frequency and temperature
Power Source	Li-Ion 3500mAh
Communication Ports	USB, RS232
Information registry capacity	1600 to 4800 consumers
Measured voltage	Maximum 400 v
Measured current	for 200 A clamp 0.1 - 200 A for 500 A clamp 0.4 - 500 A for 1000 A clamp 0.4 - 1000 A
Working frequency	50 Hz
Measurable power factor	-1 to +1
Optimal working range	-10 to +55
Diameters	22x11x4 cm
Weight	540 gr
Calibration	in 2 current ranges
GPS Module	GPS L1 , 1575.42 MHz band frequency Glonass L1 1598.0652 ~ 1605.375 MHz first start less than 35 s channel count 99 accuracy 2.-20m

Accessories

Current Clamp x3
Voltage probe x4
Bag
Cover
Charger
Serial Cable
USB Cable
Device and clam connector



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