

UNI-T



UT233 Digital Power Clamp Meter
UT243 Power and Harmonics Clamp Meter



● UT233

UT233/UT243 are intelligent, handheld and stable power and harmonics clamp meters, with functions of digital ammeter and power meter. These can measure voltage, current, active/reactive power, power factor, phase angle and more. UT243 series can measure single harmonic components up to 20 times. They can be applied in power equipment/supply, circuit measurement, and grid power quality evaluation.



SPECIFICATIONS

	Range	UT233	UT243
AC current (A)	1000A	±(2%+5)	±(2%+5)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)
Frequency (Hz)	40Hz~80Hz 20Hz~500Hz	±(0.5%+5)	±(0.5%+5)
Active power (W)	0.01kW~600kW	±(3%+5)	±(3%+5)
Apparent power (VA)	0.01kVA~600kVA	±(3%+5)	±(3%+5)
Reactive power (VAr)	0.01kVAr~600kVAr	±(4%+5)	±(4%+5)
Power factor	0.3~1	±0.022	±0.022
Phase angle (°)	0°~360°	±1°	±2°
Active energy (Wh)	1kWh~9999kWh	±(3%+2)	±(3%+2)

Features

Display count		10000	10000
Auto range		✓	✓
Jaw opening		50mm	50mm
True RMS	AC voltage/AC current	✓	✓
Auto power off		✓	✓
Low battery indication		✓	✓
Data hold		✓	✓
MAX/MIN		✓	✓
Data storage		99	999
USB interface		✓	✓
LCD backlight		✓	✓
Full icon display		✓	✓
Harmonic analysis			1~20
Setup			✓
Single-phase 2-wire		✓	✓
3-phase 3-wire		✓	✓
3-phase 4-wire		✓	✓
Phase sequence test	Positive phase, reverse phase, phase deficiency	✓	✓
Auto calibration		✓	
Input impedance for DCV		≥10MΩ	≥5MΩ
Input protection			✓

GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 4
Display	46mm x 42mm
Product color	Red and grey
Product net weight	601g
Product size	303mm x 112mm x 39mm
Standard accessories	Batteries, test leads, alligator clips, USB interface cable, PC software CD
Standard individual packing	Gift box, English manual, tool box (UT243)
Standard quantity per carton	5pcs
Standard carton measurement	510mm x 375mm x 320mm
Standard carton gross weight	UT233: 12.9kg; UT243: 12.3kg

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