UNI-T.

UT195E/M/DS

Operating Manual

Certificate No. 956991

Professional Multimeters

P/N:110401106204X

UT195DS Professional Multimeter

UT195 series are handheld industrial digital multimeters with IP65 and 2m drop proof. It can be applied in mines, oilfields and other harsh environments. Compare with traditional multimeters, UT195's troubleshooting capability, resolution, and precision are improved to find issues related to motor drive, factory equipment maintenance, electrical distribution and repair etc. It is exquisitely designed and easy to operate.

Features

1. IP65 rating, 2m drop proof, CAT III 1000V, CAT IV 600V
2. Large 6000-count LCD screen
3. 5/s sampling rate
4. True RMS
5. ACV 750V 5kHz bandwidth
6. (AC+DC) or (AV+FREQ), dual mode
7. Flashlight
8. Auto LCD backlight controlled by light sensor (can be turned off)
9. LoZ voltage test, for ghost voltage measurement
10. Motor phase sequence measurement with 2 probes

Specifications	Range	Best Accuracy
Model		UT195DS
DC voltage	600mV ~ 1000V	±(0.5%+3)
AC+DC	6.000V ~ 600V	±(1.5%+4)
AC voltage	600mV ~ 750V	±(0.7%+3)
LoZ ACV	600.0V	±(2.0%+3)
DC current (A)	600.0μA ~ 20A	±(0.8%+3)
AC current (A)	600.0μA ~ 20A	±(1.0%+3)
Resistance (Ω)	600.0Ω ~ 60.00MΩ	±(0.8%+2)
Capacitance	6.000nF ~ 60.00mF	±(3%+5)
Frequency	60.00Hz ~ 40.00MHz	±(0.1%+4)
Duty ratio	0.1% ~ 99.9%	±(2.0%+5)
Peak hold	250μs	$\sqrt{2*\pm(2\%+100)}$
Features		
Display count		6000
Display interface (HTN)		Dual display
Measurement of digital conversion rate	times/s	5
Measurement of analogue bar conversion rate	times/s	20
Analogue bar	31 section	√

True RMS		√
AC voltage frequency response		45 ~5kHz
AC current frequency response		45 ~5kHz
Low pass filter test	√ (1kHz 3dB atte nuation)	
Diode/Continuity test		3V
Auto/Manual range	√	
Auto power off	√	
Continuity buzzer	√	
Low battery indication	√	
Data hold	√	
MAX/MIN	√	
Function selection	√	
Flashlight	√	
Auto backlight	√	
Working temperature	0 ℃ ~40 ℃	
2m drop proof	√	
Protection rating	IP65	
General Characteristics		
Power supply	9V 6F22 carbon-zinc or 6LR61 alkaline battery	
LCD size	66mm × 51mm	

Device color	Red and grey
Device weight	473g
Device size	195mm × 95mm × 58mm
Standard accessories	Testing probes, battery, carrying bag
Standard individual packing	Gift box, user manual
Standard quantity per carton	6pcs
Standard carton size	580mm × 375mm × 215mm
Standard carton gross weight	