






Models	UT205E	UT206B	UT219E	UT219M	UT220
Page	081	081	078	078	085
					
AC current (A)	1000A	1000A	600A	600A	2000A
AC voltage (V)	1000V	1000V	1000V	1000V	750V
DC voltage (V)	1000V	1000V	1000V	1000V	1000V
Resistance (Ω)	60M Ω	60M Ω	60M Ω	60M Ω	20M Ω
Capacitance (F)	60mF	60mF	60mF	60mF	
Frequency (Hz)	1MHz	1MHz	10MHz	40MHz	
Temperature ($^{\circ}$ C)		-40 $^{\circ}$ C~1000 $^{\circ}$ C		-40 $^{\circ}$ C~1000 $^{\circ}$ C	
Features					
Jaw opening	42mm	42mm	33mm	33mm	63mm
Display count	6000	6000	6000	6000	2000
True RMS	●	●	●	●	
Diode/continuity	●	●	●	●	●
Low battery indication	●	●	●	●	●
Data hold	●	●	●	●	●
Auto power off	●	●	●	●	●
LCD backlight	●	●	●	●	●
Duty cycle	●	●	●		
NCV	●	●			
Auto range	●	●	●	●	●
Max/min	●	●	●	●	●
Relative mode	●	●	●	●	
Flashlight	●	●			
Inrush current		●			
LPF ACV		●			
LoZ ACV		●	●	●	
Flexible clamp (optional)		●			
Safety Features					
Drop test	1m	1m	2m	2m	1m
Safety rating	CAT III 1000V/CAT IV 600V				
Certificates	CE/UKCA/cETLus	CE/UKCA/cETLus	CE/UKCA/GS/cTUVus	CE/UKCA/GS/cTUVus	CE/UKCA/cETLus

UT219 series is 600A true RMS professional clamp meter with CAT IV 600V rating. It is industrially designed with IP54 rating and able to withstand 2 meters drop test for measurement in harsh environments. This series is suitable for professional electricians, HVAC/R and motor technicians.

Features

Auto/manual range/ZERO mode
MAX/MIN
True RMS/auto power off
IP54/2m drop proof
Data hold/relative mode
Auto backlight
Low battery indication
3-phase motor sequence test (UT219M/DS)
LoZ input for ghost voltage measurement
Temperature and μ A measurements (flame sensor) (UT219M/DS)
Inrush current/AC+DC voltage/V+A dual display (UT219DS)



UT219DS

Specifications	Range	UT219E	UT219M	UT219DS
Certificates	CE, UKCA, cETLus, GS			
AC current (A)	600A	$\pm(1.8\%+6)$	$\pm(1.8\%+6)$	$\pm(1.8\%+6)$
DC current (A)	600A 2000 μ A		$\pm(0.9\%+6)$	$\pm(0.9\%+6)$
AC voltage (V)	1000V	$\pm(1\%+6)$	$\pm(1\%+6)$	$\pm(1\%+6)$
DC voltage (V)	1000V	$\pm(0.6\%+3)$	$\pm(0.6\%+3)$	$\pm(0.6\%+3)$
LoZ ACV	600V	$\pm(2.5\%+6)$	$\pm(2.5\%+6)$	$\pm(2.5\%+6)$
Resistance (Ω)	60M Ω	$\pm(1\%+3)$	$\pm(1\%+3)$	$\pm(1\%+3)$
Capacitance (F)	60mF	$\pm(4\%+7)$	$\pm(4\%+7)$	$\pm(4\%+7)$
Frequency (Hz)	10Hz~10MHz 600Hz~40MHz	$\pm(0.1\%+6)$		
Duty cycle	0.1%~99.9%	$\pm(2.6\%+7)$		
Temperature	-40°C~1000°C -40°F~1832°F		$\pm(2\%+5)$ $\pm(2\%+9)$	$\pm(2\%+5)$ $\pm(2\%+9)$
Display count		6000	6000	6000
Jaw opening		33mm	33mm	33mm
AC current frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~400Hz
AC voltage frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~1kHz
3-phase motor sequence test			600V	600V
Low pass filter				1kHz, 3dB attenuation
V+A dual display				$\sqrt{}$
Diode test		12V	3V	3V
Measurement sampling rate		3 times/s	3 times/s	5 times/s
Analog bar sampling rate		10 times/s		20 times/s
Analog bar		31 segment		31 segment
Display interface (LCD)		Single	Single	Dual
Category ratings	CAT III 1000V, CAT IV 600V			

Characteristics

Standard accessories	Test leads, batteries, carrying bag, point contact temperature probe (UT219M/UT219DS), English manual (German, French, Spanish optional)
Power	1.5V battery (R03) x 3
Display	35 x 31mm
Product size	234.6 x 82 x 47mm
Product net weight	310g
Standard individual packing	Gift box, blister
Standard quantity per carton	10pcs
Standard carton measurement	490 x 295 x 330mm
Standard carton gross weight	UT219E: 8kg; UT219M/UT219DS: 8.2kg