

LOW CURRENT CLAMP-ON MULTIMETER



UTE P/N 16901-01

This Low Current Clap-On Multimeter is a great tool for the measurement of transmit & receive levels for coded and electronic track circuits. It can also be used to make current measurements without disarranging signal circuits.

**Test The
Ultra-Tech Way...**

Model 16901

STANDARD FEATURES:

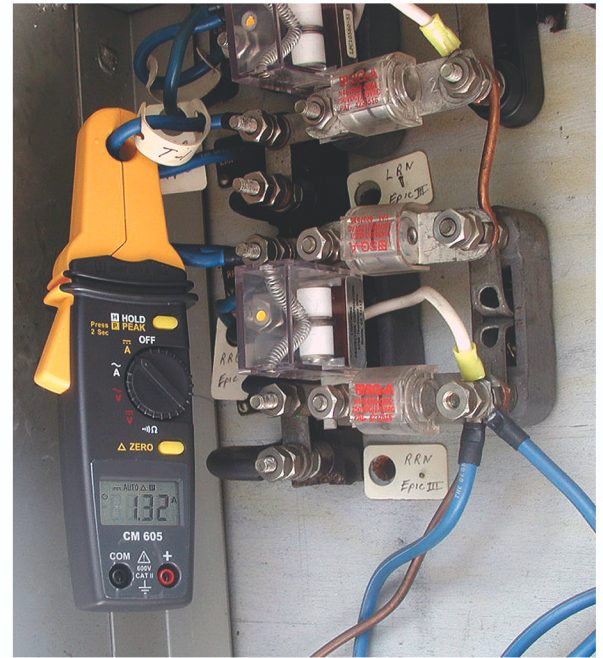
- 10,000-count LCD Display - Excellent Resolution
- 100AAC/DC Ammeter with low 10A Range (1mA Resolution)
- Tapered Jaws for crowded wiring or areas (Ø.45" - 12mm Jaw Opening)
- 600VAC/DC Voltmeter
- Analog Output in AAC/DC
- Auto-Ranging & ADC Zero Push-button
- Data HOLD & PEAK Functions
- Relative function to compare two Measurements
- Ohm Range & Continuity Test with Beeper
- Batteries: AUTO-OFF and Low Battery Indicator
- IEC/EN 61010 Safety Rated & CE Mark
- 600Vrms Overload Protection



Low Current Clamp-on Multimeter

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Specifications	
MODEL	16901
ELECTRICAL	
AC Amperes	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: 2.0% ± 10cts - 1mA Resolution 80A: 2.0% ± 10cts - 10mA Resolution > 80A: 3.5% ± 10cts - 10mA Resolution
Frequency Range	2 Ranges: 50 to 500Hz
DC Amperes	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: 2.5% ± 10cts - 1mA Resolution 80A: 2.5% ± 10cts - 10mA Resolution > 80A: 4.5% ± 10cts - 10mA Resolution
AC Volts	
Measurement Ranges	600Vrms
Accuracy & Resolution	1.5% ± 5cts - 100mV Resolution
Frequency	40 to 500Hz
Input Impedance	10M Ω , < 50pF
DC Volts	
Measurement Ranges	600V
Accuracy & Resolution	1.0% ± 2cts - 100mV Resolution
Input Impedance	10M Ω
Resistance (Ohms)	
Measurement Ranges	10k Ω (9999 Ω)
Accuracy & Resolution	1.0% ± 3cts - 1 Ω Resolution
Test Voltage	< 3.0VDC
Continuity	
Measurement Ranges	Buzzer < 100 Ω ± 25 Ω
Resolution	1 Ω
Test Voltage	< 3.0Vdc
Analog Output	
Output	10mV/AAC & ADC through front banana jacks
Frequency	0 to 20kHz @ ± 3db
Output Impedance	3k Ω , < 50pF
Other Functions	
Acc Zero & Relative Function	One touch push button (Δ ZERO Button) to Zero Acc, or other readings. Relative function also used in the other ranges to compare two measurements.
HOLD Function	Holds A & V measurements when pressed (HOLD button)
PEAK Function	Captures PEAK (1ms) V or A measurement when activated (PEAK Button)
Auto-Ranging	"AUTO" displayed on LCD
Over Range	"OL" displayed on LCD for all measurements
Auto-Off	Auto-Off after approx 10 minute with Over-Ride
Low Battery	Low Battery indication on LCD
MECHANICAL	
Jaw Opening (Window)	\emptyset 0.45" (\emptyset 12mm) or .40 x 1.39" (10 x 35mm)
Power Source	Two 1.5V AAA (LR03) batteries (included)
Dimensions & Weight	7.95 x 2.76 x 1.33" (202 x 70 x 34mm) – 6.5 oz (180g)
Safety Standards	IEC/EN 61010-1 and 2-032 – 600V CAT II and 300V CAT III – Pollution Degree 2 Class 2 – Double or reinforced insulation, CE mark



Each Unit Includes



Model 16901 includes test leads, soft carrying case and user manual

Ultra-Tech Enterprises, Inc. is a specialized engineering, manufacturing and service company that provides on-board and portable testing equipment for public and private railways, transit operating authorities and railcar builders.

As the innovators of testing equipment, we are continually creating answers for individual railroads and transit authorities. We assess each problem, design a custom solution and then share innovative technology to benefit the entire industry.



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