

Insulation Testers

Insulation Tester
Fluke 1520



H = 241, W = 108, D = 72

Fluke 1520 MegOhmMeter is a handy insulation resistance tester that also measures voltage and checks connections with its Lo-Ohms function.



- Large, backlit LCD with analog bargraph and digital display
- Three output voltages for insulation resistance testing: 250V, 500V, 1000V
- Insulation resistance testing up to 4000MΩ; switches automatically to voltage measurement when voltage is greater than 30V ac or 30V dc
- ac/dc voltage measurement up to 600V
- Lo-Ohms function for testing connections
- Last reading memory display
- 4 C-cell batteries for up to 5,000 tests per EN61557-2, with battery-life indicator and auto shut-off

- Auto discharge of capacitive voltage charges
- Rugged, splash-proof case with impact absorbing holster
- All inputs are protected to IEN61010-1 CAT III 600V and are compliant to EN 61557
- VDE, UL, CSA approved

Function	Range	Accuracy	Resolution
Insulation resistance Auto ranges	4MΩ, 40MΩ	To 100 MΩ: 2% + 2 counts	0.001 MΩ to 10 MΩ
	400 MΩ, 4000 MΩ	over 1000 MΩ: 10% + 2 counts +1%/GΩ +20%, -0%	
Test voltages Max. measurement Current	250V, 500V, 1000V 1 mA		
Audible/visible voltage Warning	>30V ac or dc		
Lo-Ohms Resistance	0 to 40.00Ω	2% + 2 counts	0.01Ω
	Analogue bar graph Audible/visible voltage Warning	0 to 100Ω >30V ac or dc	
Resistance Analogue bar graph	0 to 40Ω	2% + 2 counts	1Ω
	0 to 100Ω		
Voltage Operating	0 to 600V ac (50/60 Hz)	2% + 2 counts 1V	
Temperature:	-10°C to +50°C		
Batteries:	4 C size 1.5V alkaline		
Weight:	1.1kg		
Warranty:	3 years		
Included Accessories	TL27 heavy duty test leads, TP74 lantern Tip test probes, AC86 large jaw alligator clips, protective holster with hand strap, carrying case, instruction manual.		

T550A

Mfrs. List No.	Order Code	1+	2+	5+	10+
Fluke 1520	351-1200				

Advanced Insulation-Multimeter with
Telecom capability

MEGGER



The BMM80 is a combined five-voltage insulation tester with multimeter functions and additional capability for testing Telecom systems. The instrument features the patented True MEGGER analogue arc/digital display with intelligent power-saving backlight and has mV transducer inputs allowing measurements of other parameters, such as temperature, by means of optional probes. Low voltage 50V and 100V insulation test ranges enable the unit to be used successfully on delicate components and on low voltage systems.

- Fully Complies with the requirements of BS 7671, HD384, IEC 364 and EN61557
- Insulation measurement to 200G Ohms
- 50V, 100V, 250V, 500V, 1000V Insulation Test Voltages
- Capacitance ranges
- Voltage, resistance and capacitance measurement
- Live Circuit Warning warns of connection to circuits above 25V irrespective of range selected
- 200mA Continuity Range with Zero offset adjustment to null out resistance of test leads.
- This is ideal where fused test leads are used.
- FastTest switched probe facility lets you initiate a test from a button in the optional SP1 switched probe (or, "how to press the test button with a probe in each hand!")
- Waterproof and Dustproof to IP54
- Power Saving Backlight
- Millivolt Transducer inputs allows measurement of additional parameters such as temperature and high currents By connecting the appropriate device. A transducer offset adjustment facility is also provided.
- May be used manually with AVO PowerSuite® and NICEone certification software enabling Professional certificates of test to be created with full traceability.
- Auto PowerDown to conserve battery life
- Continuity Buzzer sounds continuously below 5ohms and intermittently up to a few kilohms

Specifications	(All quoted accuracies are at +20 °C.)
Insulation Ranges	
Measuring Range:	0,01 MΩ to 200GΩ on all ranges (0 - 100 GΩ on analogue scale)
Basic Accuracy:	± 2% ± 2 digits
Live Circuit Warning Threshold	25V

Continuity
Measuring Range: 0,01 Ω to 99,9 Ω (0 to 10 Ω on analogue scale)
Accuracy: ± 2% ± 2 digits
Lead resistance zeroing: Up to 9,99 Ω

Resistance
Measuring Range: 0,01 kΩ to 9,99MΩ (0 to 100 MΩ on analogue scale)
Accuracy: ± 3% ± 2 digits

Voltage
Measuring Range: 1V to 500V (0 to 1000V on analogue scale)
Accuracy: 0 to 500 V d.c. or a.c. (50/60 Hz) ± 2% ± 3 digit
± 5% ± 3 digits

Millivolts
Measuring Range: 0,1mV to 1999mV (0 to 1000mV on analogue scale)
Basic Accuracy: 10mV to 1999mV d.c. or a.c. (50/60 Hz) ± 2% ± 3 digit
0,1mV to 10mV d.c. or a.c.(50/60 Hz) ± 2% ± 5 digits
Up to 9,9mV

Capacitance
Measuring Range: 0,1nF to 9,99uF
Accuracy: +/-3% +/-2nF +/-2digits
uF zeroing: Up to 10nF
Safety: Complies with IEC 61010-1 1995 EN61010-1 1995 Installation Category III 300V phase to earth and 440V phase to phase.

T526

	Order Code	1+	5+	10+
BMM80	319-6938			

Combination Insulation/Multimeter
BMM 2000

MEGGER



The BMM2000 is a combined triple voltage insulation tester with additional multimeter functions. The instrument features the patented True MEGGER analogue arc/digital display with power saving Backlight and has mV transducer inputs allowing measurement of other parameters, such as temperature, by means of optional probes.

- Fully Complies with the requirements of BS 7671, HD384, IEC 364 and EN61557
- Insulation measurement to 200G Ohms
- 250V, 500V, 1000V Insulation Test Voltages

- Voltage, current, frequency and low resistance measurement
- Live Circuit Warning warns of connection to circuits above 25V irrespective of range selected
- FastTest switched probe facility lets you initiate a test from a button in the optional SP1 switched probe (or, "how to press the test button with a probe in each hand!")
- 200mA Continuity Range with Zero offset adjustment to null out resistance of test leads. Ideal where fused test leads are used.
- Power Saving Backlight
- Millivolt Transducer inputs allows measurement of additional parameters such as temperature and high currents. By connecting the appropriate device. A transducer offset adjustment facility is also provided.
- May be used manually with AVO PowerSuite® and NICEone certification software enabling professional Certificates of test to be created with full traceability.
- Auto PowerDown to conserve battery life
- Waterproof and Dustproof to IP54
- Continuity Buzzer sounds continuously below 5ohms and intermittently up to a few kilohms

Specifications	(All quoted accuracies are at +20 °C.)
Insulation Ranges	
Measuring Range:	0,01 MΩ to 200GΩ on all ranges (0 - 100 GΩ on analogue scale).
Accuracy:	± 2% ± 2 digits
Live Circuit Warning Threshold	25V
Continuity	
Measuring Range:	0,01 Ω to 99,9 Ω (0 to 10 Ω on analogue scale)
Accuracy:	± 2% ± 2 digits
Lead resistance zeroing:	Up to 9,99 Ω
Resistance	
Measuring Range:	0,01 kΩ to 9,99MΩ (0 to 100 MΩ on analogue scale)
Accuracy:	± 3% ± 2 digits
Voltage	
Measuring Range:	1V to -500V (0 to 1000V on analogue scale)
Accuracy:	0 to 500 V d.c. or a.c.(50/60 Hz) ± 2% ± 3 digit ± 5% ± 3 digits
0 to 500 V 400 Hz a.c.	
Millivolts	
Measuring Range:	0,1mV to 1999mV (0 to 1000mV on analogue scale)
Accuracy:	10mV to 1999mV d.c. or a.c. (50/60 Hz) ± 2% ± 3 digit 0,1mV to 10mV d.c. or a.c.(50/60 Hz) ± 2% ± 5 digits
Milli-amps	
Measuring Range:	0,1mA to 500mA (0 to 1000mA on analogue scale)
Accuracy:	10mA to 1999mA d.c. or a.c. (50/60 Hz) ± 2% ± 3 digit 0,1mA to 10mA d.c. or a.c.(50/60 Hz) ± 2% ± 5 digits
Frequency	
Measuring range:	16Hz to 460Hz
Accuracy:	+/-1% +/-1digit
Safety	Complies with IEC 61010-1 1995 EN61010-1 1995 Installation Category III 300V phase to earth and 440V phase to phase.

T527

	Order Code	1+	5+	10+
BM200	319-6926			