

HIOKI

ANALOG MΩ HiTESTER 3490

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3-range

INSULATION & CONTINUITY

3Ω range, 200mA



Bright LED



OPTION

TEST LEAD WITH
REMOTE CONTROL SWITCH 9788

Insulation Testing in 3 Easy Steps

Flip the Cover, Select Range & Test



CE



Check for Live Circuits



The LIVE CIRCUIT LED will light up in red whenever the voltage exceeds 20V AC between the LINE and EARTH terminals, and when at least 20V DC is still remaining during the auto discharge.

Check the Battery Status



BATT : Hi **BATT : Lo** **BATT : Dead**

Be well-informed about the condition of your batteries. Green signals that the battery level is sufficiently high, and red warns of low battery power. Replace the batteries before the LED turns completely off.

Luminous Scale

3490 specifications

Guaranteed for one year at 23°C±5°C (73°F±9°F) and 90% RH

Insulation Resistance Measurement	Rated output voltage	250 V DC	500 V DC	1000 V DC
	Effective maximum indicated value	100 MΩ		4000 MΩ
	Center scale value	1 MΩ		50 MΩ
	1st effective measuring range	0.05 to 50 MΩ		2 to 1000 MΩ
		±2% of scale length		
	2nd effective measuring range	0.01 to 0.05 MΩ 50 to 100 MΩ		0.5 to 2 MΩ 1000 to 4000 MΩ
		±2% of scale length		
	Open circuit voltage	1 to 1.2 times of rated output voltage		
	Lower limit measurement resistance value to be maintained rated output voltage	0.25 MΩ	0.5 MΩ	1 MΩ
Rated current	1 mA (Tolerance: 1 to 1.2 times of the rating value)			
Overload protection	1200 V AC (10 sec.)			
Resistance Measurement	Ranges	3 Ω	30 Ω	
	Center scale value	1.5 Ω	15 Ω	
	Accuracy	±0.09 Ω		±0.9 Ω
	Open-circuit voltage	4.1 to 6.9 V		
	Measuring current	200 mA DC or more	20 mA DC or more	
	Overload protection	720 V AC (10 sec., by Fuse)		
AC voltage Measurement	Measuring range	0 to 600 V (50/60 Hz)		
	Accuracy	±5% of maximum scale value		
	Input resistance	100 kΩ or more (50/60 Hz)		
	Overload protection	1200 V AC (10 sec.)		



Model : ANALOG MΩ HiTESTER 3490

Model No. (Order Code) 3490

General Specifications

Power source	Rated power voltage: 1.5 V DC × 4, LR6 alkaline battery × 4
Continuous operating time	Approx. 20 hours (at 500 V range, no load)
Auto Power Save	Approx. 15 minutes
Operating Temperature & Humidity	0 to 40°C (32 to 104°F), 90%RH or lower (non-condensating) 40 to 50°C (104 to 122°F), at 50°C and below relative with linear decrease up to 50%RH
Storage Temperature & Humidity	0 to 50°C (32 to 122°F), 90%RH or lower (non condensating)
Maximum rated voltage to earth	600 V AC, Measurement Category III, Anticipated Transient Overvoltage: 6000 V
Dielectric strength	5312 V AC, 50/60 Hz, Measurement terminals - electrical enclosure, current sensitivity 1 mA
Standards	Safety EN61010, EMC EN61326, EN61557-1/-2/-4
Drop Proof	On concrete: 1m/1 time
Dimensions (excluding protrusions)	Approx. 159W × 177H × 53D mm (6.26"W × 6.97"H × 2.09"D)
Mass	Approx. 610 g (21.5 oz.) (including battery, not including test lead)
Accessories	9787 Test Lead, Instruction manual, Shoulder strap, LR6 alkaline battery × 4

Accessories <p>TEST LEAD L9787(1.2 m) Neck strap Instruction manual LR6 alkaline battery × 4</p>	L9787 options For checking circuit-breaker terminals. Fits onto the L9787's red probe tip. <p>22 mm φ3.7 mm 48 mm φ2.6 mm BREAKER PIN L9787-91</p>	L9788-11 options For checking circuit-breaker terminals. Fits onto the L9788-11's red probe tip. <p>TEST LEAD SET WITH REMOTE SWITCH L9788-11(1.2 m)</p> <p>TEST LEAD WITH REMOTE SWITCH (Red)L9788-10</p> <p>TIP PIN L9788-90</p> <p>BREAKER PIN L9788-92</p>	Shared options <p>MAGNETIC ADAPTER 9804-02 Note: Attaches to tip of the ground lead; 11 mm diameter.</p>
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