

HIOKI

ANALOG MΩ HiTESTER 3490

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



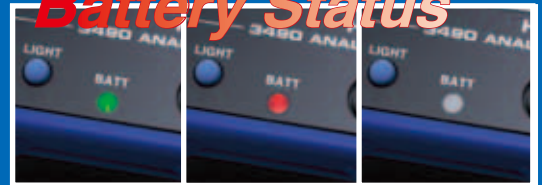


Check for Live Circuits

Check the Battery Status



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.



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

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

3490 specifications Guaranteed for one year at 23°C±5°C (73°F±9°F) and 90% RH

	Rated output voltage		250 V DC	500 V DC	1000 V DC	
	Insulation Resistance Measurement	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		0.5 to 2 MΩ		
		50 to 100 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 reted 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.)				

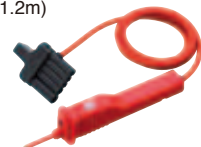
Accessories

TEST LEAD 9787 (1.2m)



Options

TEST LEAD WITH REMOTE CONTROL SWITCH 9788 (1.2m)



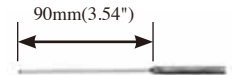
TEST PROBE 9294 (1.2m)



CONNECTION CORD 9257 (1.3m)



BREAKER PIN 9288 (for Model 9294)



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HIOKI

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