

HIOKI



ANALOG MΩ HiTESTER 3490

Field measuring instruments



3-range

INSULATION & CONTINUITY



3Ω range, 200mA
EN 61557
equivalent to IEC 61557

Bright LED



OPTION

TEST LEAD WITH
REMOTE CONTROL SWITCH 9788

Insulation Testing in 3 Easy Steps

Flip the Cover, Select Range & Test



ISO 9001
JMI-0216



ISO14001
JQA-E-90091



www.hioki.com

HIOKI company overview, new products, environmental considerations and other information are available on our website.



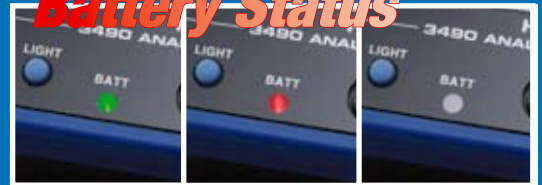
Luminous Scale

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.

General Specifications

Power source	Rated power voltage: 1.5 VDC × 4, LR6 alkaline battery × 4
Continuous operating time	Approx. 20 hours (at 500V 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 VAC, Measurement Category III, Anticipated Transient Overvoltage: 6000V
Dielectric strength	5312 VAC, 50/60Hz, 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. 610g (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		
	Center scale value		
	1 MΩ		
	50 MΩ		
	1st effective measuring range		
	0.05 to 50 MΩ		
	2 to 1000 MΩ		
Resistance Measurement	2nd effective measuring range		
	±5% of indicated value		
	0.01 to 0.05 MΩ		
	50 to 100 MΩ		
AC voltage Measurement	0.5 to 2 MΩ		
	1000 to 4000 MΩ		
	±10% of indicated value		
	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			
1mA (Tolerance: 1 to 1.2 times of the rating value)			
Overload protection			
1200V AC (10 sec.)			
Resistance Measurement	Ranges		
	3Ω		
	30Ω		
	Center scale value		
	1.5Ω		
	15Ω		
Accuracy			
±0.09Ω			
±0.9Ω			
Open-circuit voltage			
4.1 to 6.9 V			
Measuring current			
200mA DC or more			
20mA DC or more			
Overload protection			
720V AC (10 sec., by Fuse)			
Measuring range			
0 to 600 V (50/60 Hz)			
Accuracy			
±5% of maximum scale value			
Input resistance			
100 kΩ or more (50/60Hz)			
Overload protection			
1200V AC (10 sec.)			

Accessories

TEST LEAD 9787 (1.2m)



Options

TEST LEAD WITH REMOTE CONTROL SWITCH 9788 (1.2m)



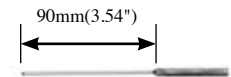
TEST PROBE 9294 (1.2m)



CONNECTION CORD 9257 (1.3m)



BREAKER PIN 9288 (for Model 9294)



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