



# **3-range** INSULATION & CONTINUITY 3Ω range, 200mA





# Insulation Testing in 3 Easy Steps Flip the Cover, Select Range & Test



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# Check for

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



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.

□ <b>3490 specifications</b> 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 ΜΩ	
	Center scale value	1 MΩ		50 MΩ	
	1st effective measuring range	0.05 to 50 MΩ		2 to 1000 MΩ	
		$\pm 2\%$ 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 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.)			

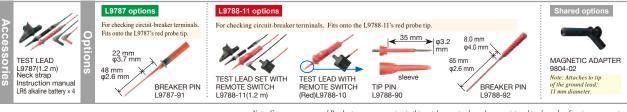


### Model : ANALOG MΩ HITESTER 3490

Model No. (Order Code) 3490

#### General Specifications

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		



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