

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



**CALRIGHT
INSTRUMENTS**

The Right Source For Your Test & Measurement Needs

8715 Mesa Point Terrace San Diego, CA 92154
Toll Free: 1.866.363.6634 Tel: 1.619.429.4545 Fax: 1.619.374.7012
Email: sales@calright.com <http://www.calright.com>



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 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

| | |
|------------------------------------|--|
| 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

TEST LEAD L9787(1.2 m)
Neck strap
Instruction manual
LR6 alkaline battery × 4

Options

L9787 options
For checking circuit-breaker terminals. Fits onto the L9787's red probe tip.

22 mm
φ3.7 mm
48 mm
φ2.6 mm
BREAKER PIN L9787-91

L9788-11 options
For checking circuit-breaker terminals. Fits onto the L9788-11's red probe tip.

TEST LEAD SET WITH REMOTE SWITCH L9788-11(1.2 m)

TEST LEAD WITH REMOTE SWITCH (Red)L9788-10

TIP PIN L9788-90

35 mm
φ3.2 mm
8.0 mm
φ4.0 mm
65 mm
φ2.6 mm
BREAKER PIN L9788-92

Shared options

MAGNETIC ADAPTER 9804-02
Note: Attaches to tip of the ground lead; 11 mm diameter.

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