

Model 6505

Contributes to the safety of electrical installations and equipment

SPECIFICATIONS

| MODEL | 6505 | |
|--|--|-------------------------|
| INSULATION TESTS | | |
| Test Voltage/Range | | |
| 500V | 30kΩ to 2000GΩ (2TΩ) | |
| 1000V | 100kΩ to 4000GΩ (4TΩ) | |
| 2500V | 100kΩ to 10,000GΩ (10TΩ) | |
| 5000V | 300kΩ to 10,000GΩ (10TΩ) | |
| User Programmable Test | 40 to 1000V: 10V increments 1000 to 5100V: 100V increments | |
| Short Circuit Current | <1.6mA ± 5% | |
| Accuracy | 10kΩ to 40GΩ | ±5% of Reading ± 3cts |
| | 40GΩ to 10TΩ | ±15% of Reading ± 10cts |
| DAR (1 min/30 sec) | 0.02 to 50.00 | |
| PI (10 min/1 min & user programmable) | 0.02 to 50.00 | |
| Capacitance Measurement | 0.005 to 49.99μF; Max resolution 1nF | |
| Leakage Current Measurement | 0.00nA to 3mA; Max resolution 1pA | |
| Programmable Run Time R(t) | 1 to 60 minutes | |
| Discharge After Test | Yes, automatic | |
| Discharge Voltage Display | Yes | |
| Voltage Test/Safety Check | 2500Vac/4000Vdc (16 to 420Hz); 1V Resolution | |
| Voltage Warning Indicator | Yes >25V | |
| Test Inhibition* | Yes >25V | |
| Guard Terminal | Yes | |
| ELECTRICAL | | |
| Power Source | One 9.6V NiMH battery pack (included); Line power: 85 to 256Vac (50/60Hz) | |

*Inhibit voltage is selectable at 3, 10 or 20% of test voltage

PRODUCT INCLUDES

Extra large classic tool bag, three color-coded leads, one blue jumper lead for use with guard terminal, three alligator clips (600V CAT IV), US 115V power cord, rechargeable battery pack and user manual.



FEATURES

- True Megohmmeter®
- Simple operation
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 30kΩ to 10TΩ (10,000GΩ)
- Adjustable and programmable test voltage (40 to 5100V)
- Automatic calculation of DAR and PI values
- Direct measurement and display of Capacitance and Leakage Current
- Display resistance, test voltage and run time
- Programmable test run times and PI ratio times
- Automatic test inhibition (if live sample >25V)
- Automatic discharge and display of discharge voltage
- Large backlight LCD dual-display with time, voltage and measurements shown
- Rugged, dual wall, weatherproof field case
- Designed and built to IEC safety standards
- EN 61010-1, 1000V CAT III

| CATALOG NO. | DESCRIPTION |
|-------------------------------|--|
| 2130.18 | Megohmmeter Model 6505 (Digital, with Analog Bargraph, Backlight, 500V, 1000V, 2500V, 5000V, Auto DAR/PI) |
| Accessories (Optional) | |
| 2119.76 | Lead – Set of 3, Color-coded 10ft 5kV Safety w/3 Color-coded Alligator Clips (1000V CAT IV) 15A for use with Megohmmeter Models 5050/5060/5070/6505 |
| 2119.77 | Lead – Replacement, Set of 3, Color-coded 6ft 5kV safety for Megohmmeter Model 6505 |
| 2119.85 | Lead – Set of 3, Color-coded 10ft 5kV Safety with Integral Hippo Clips, and jumper lead for use with Megohmmeter Model 6505 (replacement for 5050/5060/5070) |
| 2119.86 | Lead – Set of 3, Color-coded 25ft 5kV Safety with Integral Hippo Clips for use with Megohmmeter Models 5050/5060/5070/6505 [Jumper lead not included] |
| 2119.87 | Lead – Set of 3, Color-coded 45ft 5kV Safety with Integral Hippo Clips for use with Megohmmeter Models 5050/5060/5070/6505 [Jumper lead not included] |