

Digital Megohmmeter Model 1020



The Digital Megohmmeter Model 1020 is a compact, lightweight, battery-operated, digital megohmmeter. The Model 1020 tests at 250V and 500V up to 200MΩ.

The Model 1020 also features continuity test range with audible beeper for resistances under 100Ω and a 600VAC range for safety voltage check.

The press-to-test button has an associated locking feature for continuous tests up to three minutes, eliminating the need to manually hold down the button.

Other features include large 3¹/₂ digit LCD, automatic zero, data hold switch, and low battery indicator. This lightweight, easy-to-use megohmmeter can be used for most commonly performed insulation tests, such as on cables, switch gear, motors, DC generators, power tools and small appliances.

The Model 1020 is supplied with test leads, batteries, carrying case and user manual.

Features

- Test voltage combinations 250V and 500V
- Insulation measurements to 200MΩ
- Continuity test with beeper
- 600VAC voltage range
- Large, easy-to-read digital display
- Data hold switch
- Test button may be “locked-on” for three minutes for hands-free operation
- Automatic discharge when test button is released
- Low battery indication
- Supplied with a soft carrying case
- CE Mark



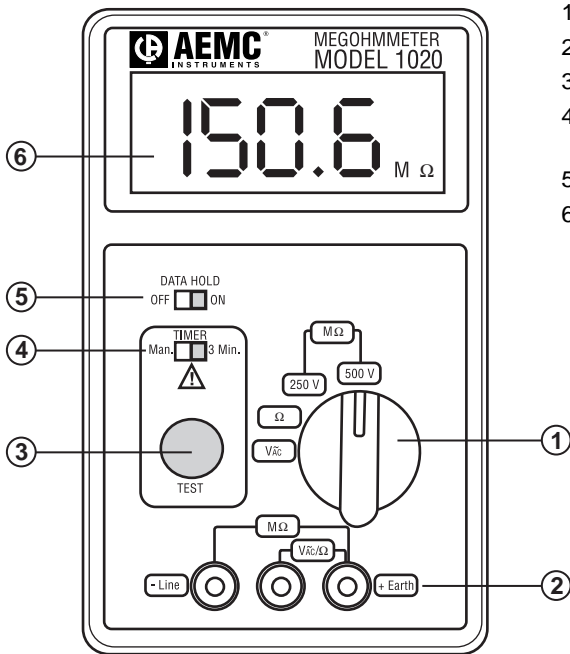
Applications

- Motor testing
- Transformer testing
- Relay testing
- Cable monitoring
- Circuit breaker testing
- Continuity checks

Specifications

ELECTRICAL	
INSULATION TESTS	
Test Voltage	250V and 500V
Measurement Range	0.1 to 200M Ω
Short Circuit Current	≤ 1.7 mA
Accuracy	0.1 to 1000M Ω 3% of Reading \pm 3cts
Voltage Test/Safety Check	0 to 600V _{AC/DC}
Test Voltage Generation	Solid state circuitry generating test voltage ($\pm 10\%$)
RESISTANCE TESTS	
Measurement Range	0.1 to 200 Ω
Accuracy*	$\pm(1\%$ of Reading + 2cts)
Test Voltage	3.3V
Overload Protection	500V _{AC/DC}
CONTINUITY TESTS	
Measurement Range	0 to 100 Ω
Test Voltage	3.2V
Resolution	0.1 Ω
Overload Protection	500V _{AC/DC}
DISPLAY	
Display Size	3 1/2 digit LCD, 0.65" height
GENERAL	
Power Source	6 x 1.5V AA batteries
Low Battery Indication	Indicator on LCD
Overrange Indicator	Highest digit of (1) displayed
Dimensions	6.5 x 3.9 x 2.2" (165 x 100 x 57mm)
Weight	1.1 lb (500g)
Temperature Range	Operating: 32° to 104°F (0° to 40°C); Storage: 14° to 140°F (-10° to 60°C)
SAFETY	
CE Mark	Yes

*Accuracies are at 23°C \pm 5°C, below 80% RH



1. Range selector switch
2. Test terminals
3. Press-to-Test button
4. Manual and lock switch (locks power on 3 minutes)
5. Data hold switch
6. Digital display



Carrying case and leads for Model 1020 included
Catalog #2119.05

ORDERING INFORMATION

CATALOG NO.

Megohmmeter Model 1020 (Digital, 250V, 500V) Cat. #2111.91
Includes pair of leads, batteries, carrying case and user manual



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Call the AEMC® Instruments Technical Assistance Hotline for immediate consultation with an applications engineer: **(800) 343-1391**

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