

**RoHS
Compliant**

Description

This are digital high-voltage insulation resistance testers with high-voltage output ranges of 250V, 500V, 1000V, 2500V, and 5000V. They are commonly used and essential instruments for power, telecommunications, meteorology, computer rooms, oil fields, electromechanical installation and maintenance, and power supply departments of industrial and mining enterprises.

Features

- Output voltage: Up to 5kV
- PI & DAR measurement
- Automatic leakage current display
- Stepping voltage: 10% of the range
- Comparison function
- Timer measurement
- Data storage: 999 sets
- PC software analysis: via USB cable
- Automatic discharge
- High voltage output alarm function
- Rechargeable lithium battery 14.8V, 5200mAh
- Overvoltage category: CAT IV 600V

Specifications

Rated voltage	MP701121
250V	<0.25MΩ: reference only, 0.25MΩ~2.49GΩ: ±(5%+5), 2.50GΩ~24.9GΩ: ±(10%+10), 25.0GΩ~100GΩ: reference only
500V	<0.50MΩ: reference only, 0.50MΩ~4.99GΩ: ±(5%+5), 5.00GΩ~49.9GΩ: ±(10%+10), 50.0GΩ~200GΩ: reference only
1000V	<1.00MΩ: reference only, 1.00MΩ~9.99GΩ: ±(5%+5), 10.0GΩ~99.9GΩ: ±(10%+10), 100GΩ~400GΩ: reference only
2500V	<2.50MΩ: reference only, 2.50MΩ~24.9GΩ: ±(5%+5), 25.0GΩ~249GΩ: ±(15%+10), 250GΩ~1.00TΩ: reference only
5000V	<5.00MΩ: reference only, 5.00MΩ~49.9GΩ: ±(5%+5), 50.0GΩ~499GΩ: ±(15%+20), 500GΩ~2.00TΩ: reference only
Capacitance test	NA
Output voltage	Stepping Voltage Range
250V	250V, 275V, 300V
500V	250V, 300V, 350V, 400V, 450V, 500V, 550V, 600V
1000V	500V, 600V, 700V, 800V, 900V, 1000V, 1100V, 1200V
2500V	1250V, 1500V, 1750V, 2000V, 2250V, 2500V, 2750V, 3000V
5000V	2500V, 3000V, 3500V, 4000V, 4500V, 5000V
DC voltage	30~1000V DC: ±(3%+5)
AC voltage	30~750V AC(50Hz/60Hz): ±(3%+5)
Current	0.01nA~3.5mA
Short-circuit current	about 3.5mA

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro



PI test	√
DAR test	√
Timing measurement	√
Resistance comparison	√
Voltage step	√
Monitoring function	Monitor the voltage of measured object and the discharge state after testing. If voltage is higher than 36V, it is forbidden to test for protecting the tester and the operator
Timer testing	Record testing time automatically. Timing range: 0s~99m and 59s
Storage function	999 sets
USB interface (data transmission)	√
Bluetooth APP	N/A
Low Battery indication	√
Auto power off	Around 15 minutes
Overvoltage category	CAT IV 600V
Low battery indication	√
General Characteristics	
Power supply	14.8V, 5200mAh lithium battery
Product colour	Black+Red
Product weight	About 1800g (including battery)
Product dimension	238mm × 166mm × 90.5mm (L × W × D)
Accessories	User manual 1pcs; Test lead (red, black, green, 1 for each) 3pcs; USB cable 1pcs; Lithium battery charger 1pcs; Lithium battery pack 1pcs; Adapting charging stand (optional); Carrying strap 1pcs;
size	415mm × 155mm × 370mm (L × W × D)

Part Number Table

Description	Part Number
Insulation Resistance Tester, 5kV	MP701121

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.