



GDMC-2G Lightning Protection Device Tester



General Information

GDMC-2G Lightning Protection Device Tester is used to measure performance and parameters of various metal oxide varistor (MOV), gas discharge tube (GDT) and to measure insulation resistance. The instrument has high voltage short-circuit protection, over-current protection, high voltage preset, automatic range adjustment, self-check function, large output power, measurement range of starting action voltage U_{1mA} : 0~2000V, measurement range of leakage current: 0~1000uA, measurement range of DC breakdown voltage: 20~2000V, with good repeat-ability and stability. It also has the qualified scope setting and qualified judgment screening. It is widely used to test over-voltage protection devices such as lightning arrester, surge protector, MOV, cermet discharge tube, vacuum protecting tube, etc.

The instrument adopts touch color screen, one-key measurement, simple and quick operation, accurate and reliable, with excellent test stability and anti-interference ability, professional parameter setting function. At the same time, the instrument adopts large capacity rechargeable lithium battery, with data storage, data access, result judgment, automatic shut-down, USB data upload and export functions.

GDMC-2G Lightning Protection Device Tester is shockproof, dust-proof, with moisture-proof structure, the whole machine is beautiful and durable, adapt to harsh working environment. It is widely used for lightning protection, power, communications, mechanical and electrical installation and maintenance, lightning protection component manufacturers, which is a necessary instrument in industrial enterprise and departments.

Specification

Test condition: MOV: $1\text{mA} \pm 5\mu\text{A}$; $0.75U1\text{mA} \leq \pm 1\% \pm 1\text{d}$;

GDT: $100\text{V/S} \pm 10\%$

Measurement range & Accuracy

Test item	Output	Measurement range	Measurement accuracy	Resolution
MOV	Voltage 0~2100V	20~2000V	$\pm 2\% \text{rdg} \pm 3 \text{dgt}$	1V
	Current 0~1.5mA	0~1000 μA	$\pm 2\% \text{rdg} \pm 10 \text{dgt}$	0.1 μA

GDT	Voltage 0~2100V/1.5mA	20~2000V	$\pm 2\% \text{rdg} \pm 3 \text{dgt}$	1V
Insulation resistance	500V	0.5M Ω ~3000 M Ω	$\pm 3\% \text{rdg} \pm 10 \text{dgt}$	0.1M

Power supply	DC 7.2V 2600mAh Rechargeable lithium battery. (Stand-by for more than 3 hours)
Test method	DC voltage drop method
Gear shift	Fully automatic gear shift
Display mode	Color touch screen
Size	LCD: 108*65mm
	Main unit: 212*175*76mm
Weight	1200g
Over-voltage protection	Available
Data storage	For MOV: 1000 groups; For GDT: 1000 groups; For insulation resistance: 1000 groups

	Intuitive display of memory in use and available memory.
Data review	Available
Over-flow indication	Over-flow indication by symbol "9999.99".
Test mode	"Once": one-key test, no need to preset. "Conti.": Preset voltage, then tests are done continuously.
Data upload	Data in Excel format is exported to PC via USB port.
Battery voltage	Battery power indication. Charging reminder is shown when there is low battery voltage.
Auto shut-down	Auto shut-down after 15 minutes of no operation.
Power consumption	Stand-by: 140mA; measurement: 830mA

Accessories

Main unit	1 set
Test line	2pcs
Alligator clip	2pcs
Probe	2pcs
Charger (12V/2A)	1pc

USB communication line	1pc
CD	1pc
Carrying case	1 set
User's guide	1 copy
Warranty card	1 copy
Factory test report	1 copy