

Digital Type

MG1000

Allows you to measure insulation resistance more safely by avoiding operation mistakes.

- Hot-line state (30V minimum) detection
- Large volt mark with the buzzer sound
- Automatic data hold function
- Bargraph just like analog meter
- Large display with backlight
- Easy to use & tough body

Display : numeral display 4000 Sampling rate : 2 times / sec.
Safety : IEC61010 CAT. III 600V

APS	DATA HOLD	BACK LIGHT	AD
1000V 4000M Ω	500V 4000M Ω	250V 4000M Ω	

MG1000	Measuring range	Best accuracy	Resolution
MΩ	4M/40M/400M/4000M	± (3%+4)	0.001MΩ
Test voltage	1000/500/250V		
ACV/DCV	600V (AC/DC Automatic detection)	± (3%+2)	1V
Ω	4000Ω (Buzzer and ALARM indicator)	± (3%+3)	1Ω
Ω	40Ω	± (3%+10)	0.01Ω
Open circuit voltage	1 to 1.3 times of nominal test voltage		
Rated measurement current	1.0~1.2mA		
Short-circuit current	2mA or less		
Live circuit detection	At ≥30V AC/DC or more, inhibits test, buzzer sounds and ALARM indicator lights up.		
Battery	LR6×6		
Size / Weight	H170×W142×D57mm/approx. 600g		
Standard accessories included	Test Lead (TL-112a), Strap (ST-50), Instruction Manual		

Optional accessories
Clip adapter : CL-16

APS	DATA HOLD	BACK LIGHT	AD
500V 4000M Ω	250V 4000M Ω	125V 4000M Ω	

MG500	Measuring range	Best accuracy	Resolution
MΩ	4M/40M/400M/4000M	± (3%+4)	0.001MΩ
Test voltage	500/250/125V		
ACV/DCV	600V (AC/DC Automatic detection)	± (3%+2)	1V
Ω	4000Ω (Buzzer and ALARM indicator)	± (3%+3)	1Ω
Ω	40Ω	± (3%+10)	0.01Ω
Open circuit voltage	1 to 1.3 times of nominal test voltage		
Rated measurement current	1.0~1.2mA		
Short-circuit current	2mA or less		
Live circuit detection	At ≥30V AC/DC or more, inhibits test, buzzer sounds and ALARM indicator lights up.		
Battery	R6×6		
Size / Weight	H170×W142×D57mm/approx. 600g		
Standard accessories included	Test Lead (TL-112a), Strap (ST-50), Instruction Manual		

APS	DATA HOLD	BACK LIGHT	AD
125V 400M Ω	50V 400M Ω	25V 400M Ω	

MG125	Measuring range	Best accuracy	Resolution
MΩ	400k/4M/40M/4000M	± (3%+4)	0.1KΩ
Test voltage	125/50/25V		
ACV/DCV	600V (AC/DC Automatic detection)	± (3%+2)	1V
Ω	4000Ω (Buzzer and ALARM indicator)	± (3%+3)	1Ω
Ω	40Ω	± (3%+10)	0.01Ω
Open circuit voltage	1 to 1.3 times of nominal test voltage		
Rated measurement current	1.0~1.2mA		
Short-circuit current	2mA or less		
Live circuit detection	At ≥30V AC/DC or more, inhibits test, buzzer sounds and ALARM indicator lights up.		
Battery	R6×6		
Size / Weight	H170×W142×D57mm/approx. 600g		
Standard accessories included	Test Lead (TL-112a), Strap (ST-50), Instruction Manual		

Front cover image▶

MG500

Allows you to measure insulation resistance more safely by avoiding operation mistakes.

- Hot-line state (30V minimum) detection
- Large volt mark with the buzzer sound
- Automatic data hold function
- Bargraph just like analog meter
- Large display with backlight
- Easy to use & tough body

Display : numeral display 4000 Sampling rate : 2 times / sec.

Optional accessories
Clip adapter : CL-16
Test lead : TLF-120

MG125

Allows you to measure insulation resistance more safely by avoiding operation mistakes.

- Hot-line state (30V minimum) detection
- Large volt mark with the buzzer sound
- Automatic data hold function
- Bargraph just like analog meter
- Large display with backlight
- Easy to use & tough body

Display : numeral display 4000 Sampling rate : 2 times / sec.

Optional accessories
Clip adapter : CL-16
Test lead : TLF-120

Digital Type

M53

2 test voltage ranges for elevator

- Test voltage DC500V / 15V
- Auto range
- Auto power off (1min.)
- Low battery power indication
- Remote speed measurement (Speed meter SE-9000 is necessary.)

Display : numeral display 1999

Optional accessories
Carrying case : C-M53

Hybrid Insulation Resistance Tester

Insulation Resistance + Clamp meter

DG34

Hybrid pocket size Insulation Tester + Clamp meter

- Lightweight approx. 160g
- Easy to use, pocket size
- ACV / DCV measurement range
- DCA / ACA measurement range
- Inorganic EL backlight
- Test leads holder with thermo plastic elastomer which is easy to reel
- Current measurement with thin U-shaped current sensor (7mm) at angles of 0 and 180 degrees
- Data hold
- Measurement of relative value
- With Clip adapter

Display : 3999
Sampling rate : 2 times / sec.

Optional accessories
Carrying case : C-DG3a
Clip adapter : CL-13, CL-15, CL-DG3a, TL-81C



DG35a

Hybrid pocket size Insulation Tester + Clamp meter

- Lightweight approx. 160g
- Easy to use, pocket size
- ACV / DCV measurement range
- DCA / ACA measurement range
- Inorganic EL backlight
- Current measurement with thin U-shaped current sensor (7mm) at angles of 0 and 180 degrees
- Data hold
- Measurement of relative value
- With Clip adapter

Display : 3999
Sampling rate : 2 times / sec.

Optional accessories
Carrying case : C-DG3a
Clip adapter : CL-13, CL-15, TL-81C



DG36a

Hybrid pocket size Insulation Tester + Clamp meter

- Lightweight approx. 160g
- Easy to use, pocket size
- ACV / DCV measurement range
- DCA / ACA measurement range
- Inorganic EL backlight
- Current measurement with thin U-shaped current sensor (7mm) at angles of 0 and 180 degrees
- Data hold
- Measurement of relative value
- With Clip adapter

Display : 3999
Sampling rate : 2 times / sec.

Optional accessories
Carrying case : C-DG3a
Clip adapter : CL-13, CL-15, TL-81C



AP OFF	500V 200MΩ	15V 20MΩ
--------	---------------	-------------

Rated voltage	2 ranges
MΩ	2/20/200MΩ (3 auto ranges)
Accuracy	Within ± (2%+2)
ACV	200/750V (2 auto ranges)
Accuracy	Within ± (1%+0.5%RNG+1)
DCV	20/750V (2 auto ranges)
Accuracy	Within ± (0.5%+0.5%RNG+1)
Battery	LR6×6
Size / Weight	H175×W115×D55mm/approx. 600g
Standard accessories included	Test lead (red/black with plug) and clip lead connecting to pin (TL-M54), Instruction manual

DATA HOLD	REL	BACK LIGHT
-----------	-----	------------

500V 400M Ω	250V 400M Ω	125V 400M Ω
----------------	----------------	----------------

DG34	Measuring range	Best accuracy	Resolution
MΩ	400MΩ	± (3%+3)	0.1MΩ
Test voltage	125V/250V/500V		
DCV	400V	± (1.1%+3)	0.1V
ACV	400V	± (1.6%+7)	0.1V
DCA	100A	± (2.0%+5)	0.1A
ACA	100A	± (2.0%+5)	0.1A
Open circuit voltage	1 to 1.2 times of nominal test voltage		
Rated measurement current	125V/approx. 1.25μA 250V/approx. 2.5μA 500V/approx. 5μA		
Battery	LR03×2		
Size / Weight	H130×W75×D19.9mm / approx. 160g		
Clamp diameter	φ10mm		
Standard accessories included	Clip adapter (CL-DG3), Instruction manual		

DATA HOLD	REL	BACK LIGHT
-----------	-----	------------

500V 40M Ω	250V 40M Ω	125V 40M Ω
---------------	---------------	---------------

DG35a	Measuring range	Best accuracy	Resolution
MΩ	40MΩ	± (3%+3)	0.01MΩ
Test voltage	125V/250V/500V		
DCV	600V	± (1.1%+3)	1V
ACV	600V	± (1.6%+7)	1V
DCA	100A	± (2.0%+5)	0.1A
ACA	100A	± (2.0%+5)	0.1A
Open circuit voltage	1 to 1.2 times of nominal test voltage		
Rated measurement current	125V/approx. 1.25μA 250V/approx. 2.5μA 500V/approx. 5μA		
Battery	LR03×2		
Size / Weight	H130×W75×D19.9mm / approx. 160g		
Clamp diameter	φ10mm		
Standard accessories included	Clip adapter (CL-DG3a), Instruction manual		

DATA HOLD	REL	BACK LIGHT
-----------	-----	------------

250V 40M Ω	125V 40M Ω	50V 40M Ω
---------------	---------------	--------------

DG36a	Measuring range	Best accuracy	Resolution
MΩ	40MΩ	± (3.0%+3)	0.01MΩ
Test voltage	50V/125V/250V		
DCV	600V	± (1.1%+3)	1V
ACV	600V	± (1.6%+7)	1V
DCA	100A	± (2.0%+5)	0.1A
ACA	100A	± (2.0%+5)	0.1A
Open circuit voltage	1 to 1.2 times of nominal test voltage		
Rated measurement current	50V/approx. 5μA 125V/approx. 12.5μA 250V/approx. 25μA		
Battery	LR03×2		
Size / Weight	H130×W75×D19.9mm / approx. 160g		
Clamp diameter	φ10mm		
Standard accessories included	Clip adapter (CL-DG3a), Instruction manual		

