

## Digital Type

## MG1000

Automatic live circuit detection ( $\geq 30V$  AC/DC)

APS	DATA HOLD	BACK LIGHT
1000V 4000M $\Omega$	500V 4000M $\Omega$	250V 4000M $\Omega$



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## MG1000/MG500/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.  
Safety : IEC61010 CAT $\text{\textcircled{a}}$ 600V

## Optional accessories

Clip adapter : CL-16  
Test lead : TLF-120 (MG500/MG125 only)

3 Range  
Test Voltage

## General Information

- In any range (M $\Omega$ ), the hot-line state (30 V minimum) can be detected through the buzzer sound and the red LED illumination. If you press the MEASURE button by mistake in this state, no test voltage will be generated. Thus, the measuring circuit and the equipment involved will not be affected adversely.
- During the measurement of M $\Omega$ , a large bolt mark is illuminated on the LCD with the buzzer sound, allowing you to find that voltage is generated.
- To select the highest test voltage range, you need to turn the rotary switch while holding down the 0 $\Omega$  ADJ button. This design feature prevents the highest test voltage from being generated by an operation mistake.
- An easy-to-hold body with a portrait design has been adopted to ensure stable measurements.
- The tester comes with a strap, and uses less slippery elastomeric material for its lateral sides so that the user can grip the tester more firmly.
- After measurements have been finished, the last measured value can be held automatically. Unlike an analog tester, you do not need to check the reading during measurements and therefore can comfortably concentrate on the object under measurement.
- A large logarithmic bargraph is provided to enable the user to check the measured value like using an analog tester.
- The backlight allows you to check the measured value even in a dark place. Since the rated voltage output can be checked with the green LED, you can find whether the measurement is being carried out properly.

## MG500

Automatic live circuit detection ( $\geq 30V$  AC/DC)

APS	DATA HOLD	BACK LIGHT
500V 4000M $\Omega$	250V 4000M $\Omega$	125V 4000M $\Omega$



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MG500	Measuring range	Best accuracy	Resolution
M $\Omega$	4M/40M/400M/4000M	$\pm (3\%+4)$	0.001M $\Omega$
Test voltage	500V/250V/125V		
ACV/DCV	600V (AC/DC Automatic detection)	$\pm (3\%+2)$	1V
$\Omega$	4000 $\Omega$ (Buzzer and ALARM indicator)	$\pm (3\%+3)$	1 $\Omega$
$\Omega$	40 $\Omega$	$\pm (3\%+10)$	0.01 $\Omega$
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 $\geq 30V$ AC/DC or more, inhibits test, buzzer sounds and ALARM indicator lights up.		
Battery	R6 $\times$ 6		
Size / Weight	H170 $\times$ W142 $\times$ D57mm/approx. 600g		
Standard accessories included	Test Lead (TL-112), Strap (ST-50), Instruction Manual		

## MG125

Automatic live circuit detection ( $\geq 30V$  AC/DC)

APS	DATA HOLD	BACK LIGHT
125V 400M $\Omega$	50V 400M $\Omega$	25V 400M $\Omega$



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MG125	Measuring range	Best accuracy	Resolution
M $\Omega$	400k/4M/40M/400M $\Omega$	$\pm (3\%+4)$	0.1K $\Omega$
Test voltage	125V/50V/25V		
ACV/DCV	600V (AC/DC Automatic detection)	$\pm (3\%+2)$	1V
$\Omega$	4000 $\Omega$ (Buzzer and ALARM indicator)	$\pm (3\%+3)$	1 $\Omega$
$\Omega$	40 $\Omega$	$\pm (3\%+10)$	0.01 $\Omega$
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 $\geq 30V$ AC/DC or more, inhibits test, buzzer sounds and ALARM indicator lights up.		
Battery	R6 $\times$ 6		
Size / Weight	H170 $\times$ W142 $\times$ D57mm/approx. 600g		
Standard accessories included	Test Lead (TL-112), Strap (ST-50), Instruction Manual		