

## MW9092

Insulation tester under 50 V to 1000 V  
Continuity tester

### ■ Applications :

- Detect with an easy to use and robust device the insulation defects on :
  - Motor windings
  - Electrical installation cables
  - generators
- Test the continuity between the equipotential ground connections with 200 mA testing current.

### ■ Features :

- Insulation measurement under 50 V, 100 V, 250 V, 500 V, 1000 V
- Insulation resistance up to 20 GΩ
- Measurement of the polarization index (PI) and the dielectric absorption factor (DAR)
- Voltage measurement up to 600 V TRMS AC and 600 V DC
- Continuity measurement with 200 mA
- Resistance measurement up to 600 kΩ
- Low resistance measurement mode with 0.01 Ω resolution
- Compact and robust housing, with integrated shock-proof sleeve
- Provided with test lead, alligators clips, holster, batteries
- Safety: 600V CAT IV



## Insulation tester under 50 V to 1000 V Continuity tester

Technical specifications		MW9092	
<b>Insulation resistance measurement</b>			
<b>Test voltage</b>	<b>Range</b>	<b>Accuracy</b>	
50 V	300 K $\Omega$ / 3.00 M $\Omega$ / 30.0 M $\Omega$ 300 M $\Omega$ / 1.00 G $\Omega$	$\pm(3\%rdg+5dgts)$ (30 K $\Omega$ -1.00 G $\Omega$ )	
100 V	600 K $\Omega$ / 6.00 M $\Omega$ / 60.0 M $\Omega$ 600 M $\Omega$ / 2.00 G $\Omega$	$\pm(3\%rdg+5dgts)$ (60 K $\Omega$ -2.00 G $\Omega$ )	
250 V	1.50 M $\Omega$ / 15.0 M $\Omega$ / 150 M $\Omega$ / 1.50 G $\Omega$ 5.0 G $\Omega$	$\pm(3\%rdg+5dgts)$ (0,15 M $\Omega$ -1,50 G $\Omega$ ) $\pm(10\%rdg+3dgts)$	
500 V	3.00M $\Omega$ / 30.0 M $\Omega$ / 300 M $\Omega$ / 3.00 G $\Omega$ 10.0 G $\Omega$	$\pm(3\%rdg+5dgts)$ (0,30 M $\Omega$ -3,00 G $\Omega$ ) $\pm(10\%rdg+3dgts)$	
1000 V	6.00 M $\Omega$ / 60.0 M $\Omega$ / 600 M $\Omega$ / 6.00 G $\Omega$ 20.0 G $\Omega$	$\pm(3\%rdg+5dgts)$ (0,60 M $\Omega$ -6,00 G $\Omega$ ) $\pm(10\%rdg+3dgts)$	
Test voltage accuracy	0% à +20%		
Short circuit test current	1 mA (nominal)		
Protection	Inhibit test if terminal voltage > 30 V		
<b>AC / DC voltage measurement</b>			
<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>	<b>Protection</b>
60.00 V	0.01 V	2%rdg+5dgts(45-500Hz)	600 Vrms
600.0 V	0.1 V		
<b>Resistance measurement</b>			
<b>Gamme</b>	<b>Resolution</b>	<b>Accuracy</b>	<b>Protection</b>
600.0 $\Omega$	0.1 $\Omega$	2%rdg+5dgts	600 Vrms
6.000 k $\Omega$	0.001 k $\Omega$		
60.00 k $\Omega$	0.01 k $\Omega$		
600.0 k $\Omega$	0.1 k $\Omega$		
<b>Continuity</b>			
<b>Range</b>	<b>Resolution</b>	<b>Beeper</b>	<b>Protectionk</b>
600.0 $\Omega$	0.1 $\Omega$	$\leq 7 \Omega \pm 1 \Omega$	600 Vrms
<b>Lo<math>\Omega</math></b>			
<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>	
6.00 $\Omega$	0.01 $\Omega$	2%rdg+5dgts	
60.0 $\Omega$	0.1 $\Omega$		
<b>General</b>			
Power supply	4 batteries 1.5V IEC LR6 / AA		
Operating temperature	0 to 40°C		
Storage temperature	-10°C to 60°C without condensation		
Humidity	80% HR max		
Safety	CAT IV 600 V		
Approvals	EN/IEC 61010		
Dimensions	206(L) x 90(W) x 51(H) mm		
Weight	510 g with batteries		
Warranty	1 year		

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FT MW9092 A00- Specifications can be updated without notice

