

CE Multitester



EN/IEC 61010-1
EN 50081-1
Cat II/300 V,
Cat I/600 V,

Programmable measurement sequences (autotest) for all tests as below – supported by PC Software **CE Link**

Portable, multipurpose instrument for measurements in accordance with:

- IEC 60204-1 Electrical equipment of machines
- IEC 60335-1 Household and similar electrical appliances
- IEC 60439-1 Switchgear and controlgear assemblies
- IEC 60598-1 Luminaires
- IEC 60745 Hand-held motor-operated tools
- IEC 60755 Residual current operated protected devices
- IEC 60950 Safety of information technology equipment
- IEC 61010-1 Safety requirements for electrical equipment
- IEC 61029 Transportable motor-operated tools
- IEC 61558-1 Transformers and power supply units
- EN 60065 Audio, video and similar electronic apparatus
- VDE 701 T1 Repair and modification inspections
- VDE 702 T1 Repeat tests of electrical appliances

◆ Withstanding voltage test $P_{load} = 500 \text{ VA}$

- Pre-set voltage in steps up to 5000 V AC.
- Pre-set voltage/time test program (t1, t2, t3; U1, U2).
- Timer from 1 s to 10 min.
- Tripping out test current from 1 mA up to 500 mA.
- Burn-out test.

◆ Insulation resistance test

- Test voltage 250 V, 500 V and 1000 V DC.
- Measuring range up to 1 GΩ.
- Programmable limits of resistance.
- Timer from 1s to 10 min.

Leakage current

- Programmable limits from 0.1 ma to 20 mA.
- Timer from 1 s to 10 min.

◆ Continuity test

- Test current 100 mA, 200 mA, 10 A, 25 A voltage <12 V AC.
- Resistance treshold in steps from 100 mΩ to 2 Ω.
- Timer from 1 s up to 20 s.
- Voltage drop/wire section treshold scaled to 10 A AC.

◆ Functional tests

- Power, Apparent power, Cos Φ, Voltage, Current, Frequency.

◆ Discharge time

- External, internal.

◆ Memory and print-out of measurement reports

- 1638 memory locations.
- PC software **CE link** with RS 232 communication cable.


Standard set

Order No. MI 2094




- Instrument CE Multitester
- HV test pistol - 2 m, 2 pcs
- CONTINUITY test lead - 2.5 m, 2 pcs
- INSULATION test lead - 2.5 m, red
- INSULATION test lead - 2.5 m, black
- Crocodile clip, black, 3 pcs
- Crocodile clip, red, 2 pcs
- DISCHARGE TIME cable
- Mains cable
- Accessory bag
- Instruction Manual
- Production verification data
- Declaration of warranty
- Declaration of conformity


Key features




Inputs/outputs for manual or automatic settings



Wide range of simple menus for programming




On-line information about pre-programmed testing procedures




Memorizing of particular testing results


PC Software "CE Link – Powerfull support tool"




Analysing down-loaded data




Export




Rearrange




Creating measurement sequences (autotest)




List of autoprograms




Edit parameters



Creating documentation



New/edit device test



Insert/edit device test

Time	Dev	Mem	Description	Result 1	Result 2
18.05.00, 13:21:45		0	Leakage current	1.0 05nA	
18.05.00, 13:21:54		1	Leakage current	1.0 05nA	
18.05.00, 13:22:00		2	Leakage current	1.0 05nA	
18.05.00, 13:22:08		3	Leakage current	1.0 05nA	
18.05.00, 13:22:21		4	Leakage current	1.0 05nA	
18.05.00, 13:24:54		5	Riso 500V		R: 999.90nA

Mem	Description	Result 1	Result 2
1	Riso 500 V	RL: 1.0 MOhm	R: 24.64 MOhm
2	Riso 500 V	RL: 1.0 MOhm	R: 3.019 MOhm3
3			
4			
5			

Optional Accessories



- HV test calbe with plug
- 6m, set of 2 pcs **Order No. S 1057**
- CONTINUITY test lead
- 10 m, set of 2 pcs **Order No. S 1058**
- CONTINUITY test lead special - 2.5 m, set of 2 pcs **Order No. S 1072**
- Remote control pedal **Order No. A 0941**
- Warning Test/Ready lamp **Order No. A 0942**
- Bar Code Reader **Order No. A 1061**
- ISO + CONTINUITY adapter **Order No. A 1059**
- Test tip, red **Order No. A 1016**
- Test tip, black **Order No. A 1014**
- Two way mains adapter **Order No. A 1060**
- EXT/DOOR IN cable **Order No. A 1017**
- PC Software CE link with interface cable **Order No. A 1073**

Technical Specifications

Withstanding test 500 VA:		100 V ÷ 1000 V AC ±(2 % + 5 dig.)		
Trip-out current settable limit 0.1 ÷ 500 mA		1000 V ÷ 5000 V AC ±(3 % + 5 dig.)		
Insulation resistance test:		0 ÷ 1.999 MΩ ±(3 % + 3 dig.)		
Test voltage: 250 V, 500 V, 1000 V DC		2 ÷ 19.99 MΩ ±(3 % + 3 dig.)		
Current 1 mA min.		20 ÷ 199.9 MΩ ±(3 % + 3 dig.)		
Programmable resistance limits		200 ÷ 1 GΩ ±(5 % + 3 dig.)		
Continuity test	Test current	0 ÷ 1 Ω ±(3 % + 3 dig.)		
	10 A, 25 A	1 ÷ 2 Ω ±(3 % + 3 dig.)		
	100 mA	0 ÷ 9.99 Ω ±(5 % + 12 dig.)		
	Test voltage <12 V AC	0 ÷ 9.99 Ω ±(5 % + 6 dig.)		
Programmable resistance limits	200 mA	0 ÷ 9.99 Ω ±(5 % + 6 dig.)		
Voltage drop test 10 A	100 mA, 200 mA	10 ÷ 100 Ω ±(5 % + 6 dig.)		
Discharge time test (internal, external):		0 ÷ 10 s ±2 %		
Programmable limits		0 ÷ 10 s ±2 %		
Timer for tests as above		1 s ÷ 10 min		
Leakage current test		0 ÷ 4 mA, 4 ÷ 20 mA ±(5 % + 3 dig.)		
Programmable limits		0 ÷ 4 mA, 4 ÷ 20 mA ±(5 % + 3 dig.)		
Power,	Voltage	Current	Cos φ	Frequency
1 ÷ 200 VA	0 ÷ 400 V ±(2 % + 2 dig.)	0 ÷ 1 A	0 ÷ 1 ±(3 % + 3 dig.)	45 ÷ 65 Hz ±(0,1 % + 3 dig.)
±(5 % + 10 dig.)		±(3 % + 3 dig.)		
200 ÷ 3500 VA		1 ÷ 16 A		
±(5 % + 3 dig.)		±(5 % + 5 dig.)		

General Characteristics

Case	portable
Power Supply	230 V (45-65 Hz)
Overvoltage category	Cat III/300 V, Cat II/600 V
Pollution degree	2
Degree of protection	IP 50
Protection classification	I
Dimensions (w x h x d)	410 × 175 × 370 mm
Mass (without accessories)	14 kg