

## MachineTest 204

**NEW**

### Electrical safety tester for machinery according to EN60204



W.345 L.260 D.170 Wt.8.5kg

Supplied by LEM

- Complete testing of machines with electrical equipment to IEC/EN 60204-1
- All measurements performed from only one set of terminals for ease of use
- No change of test leads or additional settings required
- Bright display for clear visibility in all environments
- Voltage drop across PE conductor and PE resistance measurement with >10A AC and audible buzzer
- Insulation resistance measurement with 500V DC >1mA
- High voltage flash test with 1000V AC and selection of tripping current (leakage current)
- Measurement of residual voltage after 1s or 5s with included ResTest204
- MachineTest204 and ResTest204 comes in a "Pack and Go" portable carrying case solution with only 8,5kg
- Practical test lead compartment with quick start instructions and EN60204 forms

#### TECHNICAL SPECIFICATIONS

##### Machine Test 204

###### Voltage Drop across PE Conductor

Display range	0.00 to 19.99 V; $\pm(5\% + 0,1V)$
Test current	>10 A AC at 230V $\pm$ 10%,
Test voltage	<12 V AC, floating output
Principle	2-wire (compensation of test leads)

###### Resistance of PE Conductor

Display range	0.00 to 19.99 $\Omega$
Other specifications equal as for voltage drop measurement	

###### Insulation Resistance

Display range	0.00 to 19.99 M $\Omega$ ; $\pm(5\% + 5D)$
Nominal test voltage	500 V DC
Test current	>1 mA DC
Short circuit current	<5 mA DC

###### High Voltage Dielectric test (Flash Test)

Nominal test voltage	1000 V AC; >500VA
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Tripping current 10 mA, 50 mA, 100 mA or 200 mA  
Trip out time <30 ms

#### General

Mains voltage 230 V  $\pm$ 10%, 50 Hz  $\pm$ 5%  
Display 3 ½ dig. LED, digit height 20 mm  
Protection class Class I  
Over-voltage category Cat II 300 V IEC 61010, Poll. Deg. 2  
Protection type IP 40  
Working temp. range -10 to 40°C

#### ResTest204 (included)

Power supply 9V battery  
Dimensions 85(W)  $\times$  35(D)  $\times$  160(H) mm  
Weight 0.3 kg

#### Residual Voltage Measurement

Max input voltage 440 V AC or 620 V DC  
Start trigger (automatic)  $\Delta U/\Delta t > 20$  V/s  
Measurement after 1s or 5s  
Level of safe voltage 60 V DC  
Display green/red LED - PASS/FAIL  
Measurement principle 2-wire test

Product	Part number	Price (£)
<b>MachineTest204</b> incl. ResTest204 in carrying case, 2 special HV measuring leads 2m, 1 alligator clip, mains cord, manual, test certificate.	<b>SA8100Z</b>	<b>969</b>
<b>15m extension lead red</b>	<b>SB1015Z</b>	<b>29</b>