MachineTest 204
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; ±(5% + 0.1V)
Test current >10 A AC at 230V ±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 Ω
Other specifications equal as for voltage drop measurement

Insulation Resistance
Display range 0.00 to 19.99 MΩ; ±(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 ±10%, 50 Hz ±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) × 35(D) × 160(H) mm
Weight  
0.3 kg

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Part number</th>
<th>Price (£)</th>
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<tbody>
<tr>
<td><strong>MachineTest204</strong></td>
<td>SA8100Z</td>
<td>969</td>
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<td>incl. ResTest204 in carrying</td>
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<tr>
<td>case, 2 special HV measuring</td>
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<td>leads 2m, 1 alligator clip, mains</td>
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<td>SB1015Z</td>
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