**MT 204-S**

**Machinery tester in accordance with EN 60204-1**

**Functions**
- Measurement of protective earth resistance
- Loop/Line impedance measurement
- Insulation resistance measurement
- Residual voltage measurement
- High-voltage test

**Product information**
- Measurement memory for approx. 2000 readings
- Integrated interface (USB 2.0) for transferring measurements to PC
- Separate interface (USB 2.0) for connecting a barcode scanner
- Graphical LCD for measured values, limit values and parameters
- Wiring diagrams and limit values on device lid
- Compact carrying case
- One pair of sockets for all measurements
- Test lead compensation
- High-voltage test with adjustable value for trip current
- Optical and acoustic limit value display

**Product highlights**
- 10 A test current for protective earth resistance
- 0.2 A test current for protective earth resistance
- Loop/Line impedance measurement up to 440 V
- Display of short circuit current (PSC)
- Insulation measurement with 250 V to 500 V test voltage
- Residual voltage measurement; display of discharge voltage/time
- Integrated high-voltage test (can be deactivated via key switch)

**Technical Data**

- Display: graphical LCD, 128 x 64 pixels
- Display range/resolution
  - Protective earth resistance: (10 A) 0.00-20.00 Ω/0.01 Ω
  - Max. Test current/Voltage: > 10 A / > 4 V AC
  - Protective earth resistance: (0.2 A) 0.00-4.00 Ω/0.01 Ω
  - Test current/voltage: > 0.2 A / > 4 V AC
- Loop/Line impedance: 0.00-20.00 Ω/0.01 Ω
- Test current: 20 A (10 ms) at 230 V
- Voltage range: 190-440 V
- Short circuit current: 11.5 A to 23 kA
- Insulation resistance: 0.00-100.0 MΩ, 0.01 MΩ, 0.1 MΩ
- Test voltage/current: 250 V to 500 V (in 10 V steps)/>1 mA DC
- Residual voltage measurement range: 0.0-400 V AC/DC
- Measurement time: 1 s, 5 s
- Time measurement range: 0-300 s
- High-voltage test voltage/current: 1000 V/50 mA AC
- Trip current: 5, 10, 25, 50 mA (adjustable)
- Measurement memory: up to 2000 readings
- Interfaces (USB 2.0): PC and barcode scanner
- Limit value display: optical and acoustic
- Safety cert.: IEC/EN 61557 parts 2, 3, 4
- Measurement category: CAT IV/300 V, CAT III/600 V
- Pollution degree: 2
- Protection class: I
- Protection category: IP 40
- Power supply: 230 V +10%/-15% 50 Hz, max. 100 VA
- Dimensions: 340 x 310 x 170 mm
- Weight: 7 kg

**Ordering Information:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 204-S</td>
<td>3454632</td>
</tr>
<tr>
<td>KBGE-MT204S</td>
<td>3504388</td>
</tr>
<tr>
<td>BC-MT204S</td>
<td>3504407</td>
</tr>
</tbody>
</table>

**Scope of supply:**

1 x MT 204-S
1 x mains lead
2 x safety test lead, 2 m each
2 x test lead extension, 10 m each
2 x crocodile clips
1 x interface cable
1 x user manual

**Accessories:**

Keyboard, USB (German Version) KBGE-MT204S
Barcode Scanner, USB BC-MT204S