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## Clamp-on Multimeters

### Pocket multimeters
**100 A to 600 A**

#### CM 603
- **Clamping diameter**: 26 mm
- **Display**: 4,000 counts with backlighting
- **Measurement type**:
  - **I AC**: Ranges 40 A / 400 A / 600 A, Basic accuracy 2.5 %R + 5 cts, Best resolution 10 mA
  - **V DC**: Ranges 4 V / 40 V / 400 V / 600 V, Basic accuracy 0.8 %R + 3 cts, Best resolution 1 mV
  - **V AC**: Ranges 4 V / 40 V / 400 V / 600 V, Basic accuracy 1 %R + 5 cts, Best resolution 1 mV
  - **Resistance**: Ranges 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ, Basic accuracy 1 %R + 5 cts, Best resolution 0.1 Ω
- **Continuity (with buzzer)**: Yes
- **Diode test**: Yes
- **Temperature**: – 20 °C ... +1,000 °C (Thermocouple Type K)
- **Other features**: Backlighting, Torch function, Data HOLD, Deactivatable automatic power-off
- **Dimensions / weight**: 206 x 79 x 43 mm / 270 g
- **Safety**: 600 V CAT III according to IEC 61010-1, IEC 61010-2-032, IEC 61010-2033
- **Accessories supplied**: 1 set of red/black test-probe leads, 3 x 1.5 V AAA / LR03 batteries, 1 K thermocouple and 1 carrying bag

#### CM 610
- **Clamping diameter**: 30 mm
- **Display**: 2,000 counts
- **Measurement type**:
  - **I DC**: Ranges –, Basic accuracy 1.5 % + 5 cts, Best resolution 0.1 mA
  - **I AC**: Ranges 200 A / 600 A, Basic accuracy 1.9 % + 5 cts, Best resolution 0.1 A
  - **V DC**: Ranges 200 mV / 2 V / 20 V / 200 V / 600 V, Basic accuracy 0.7 % + 3 cts, Best resolution 0.1 mV
  - **V AC**: Ranges 2 V / 20 V / 200 V / 600 V, Basic accuracy 1.5 % + 5 cts, Best resolution 1 mV
  - **Resistance**: Ranges 200 Ω / 2 kΩ / 20 kΩ / 200 kΩ / 2 MΩ / 20 MΩ, Basic accuracy 1.5 % + 5 cts, Best resolution 0.1 Ω
- **Continuity**: Threshold 90 Ω, Protection 600 V rms
- **Diode test**: Yes
- **Automatic zero adjustment**: –
- **Other features**: MAX HOLD
- **Dimensions / weight**: 189 x 71 x 37 mm / 200 g
- **Safety**: 300 V CAT III according to IEC 61010-1, IEC 61010-2-032, IEC 61010-2033
- **Accessories supplied**: 1 carrying bag, 1 set of red/black test-probe leads and 2 x 1.5 V LR3/AAA batteries

#### CM 625
- **Clamping diameter**: 30 mm
- **Display**: 4,300 counts
- **Measurement type**:
  - **I DC**: Ranges –, Basic accuracy 1.5 % + 5 cts, Best resolution 0.1 mA
  - **I AC**: Ranges 40 A / 400 A, Basic accuracy 1.5 % + 5 cts, Best resolution 0.1 A
  - **V DC**: Ranges 4 V / 40 V / 400 V / 600 V, Basic accuracy 0.75 % + 2 cts, Best resolution 1 mV
  - **V AC**: Ranges 4 V / 40 V / 400 V / 600 V, Basic accuracy 1 % + 5 cts, Best resolution 1 mV
  - **Resistance**: Ranges 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ, Basic accuracy 0.9 % + 2 cts, Best resolution 0.1 Ω
- **Continuity**: Threshold 50 Ω
- **Diode test**: Yes
- **Automatic zero adjustment**: Yes
- **Other features**: HOLD
- **Dimensions / weight**: 189 x 71 x 37 mm / 220 g
- **Safety**: 300 V CAT III according to IEC 61010-1, IEC 61010-2-032, IEC 61010-2033
- **Accessories supplied**: 1 carrying bag, 1 set of red/black test-probe leads and 2 x 1.5 V LR3/AAA batteries

*To order: P06232008Z, P06232002, P06232003*
### Digital Multimeters

<table>
<thead>
<tr>
<th>Feature</th>
<th>CM 605</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>10,000 counts</td>
</tr>
<tr>
<td>Measurement type</td>
<td>AVG</td>
</tr>
<tr>
<td>I AC/DC Ranges</td>
<td>10 A / 80 A / 100 A</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>2 % (AC)</td>
</tr>
<tr>
<td>Best resolution</td>
<td>1 mA</td>
</tr>
<tr>
<td>V AC/DC Ranges</td>
<td>600 V max</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.5 % (AC)</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 V</td>
</tr>
<tr>
<td>Continuity (with buzzer)</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Other features</td>
<td>Analogue output: 10 mV / A or dc, 4.5 % + 0.5 mV, 20 kHz to ± 3 dB, Z = 3 kΩ</td>
</tr>
<tr>
<td>Dimensions / weight</td>
<td>202 x 70 x 34 mm / 180 g</td>
</tr>
<tr>
<td>Safety</td>
<td>300 V Cat. III according to IEC 61010-1, IEC 61010-2-032, IEC 61010-2-033</td>
</tr>
<tr>
<td>Accessories supplied</td>
<td>1 carrying bag, 1 set of red/black test-probe leads and 2 x 1.5 V LR3/AAA batteries</td>
</tr>
</tbody>
</table>

### Pocket Clamp-On Multimeters

<table>
<thead>
<tr>
<th>Feature</th>
<th>DMM 13</th>
<th>DMM 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>6,000 counts</td>
<td>6,600 counts with backlighting</td>
</tr>
<tr>
<td>Measurement type</td>
<td>AVG</td>
<td>AVG</td>
</tr>
<tr>
<td>I AC/DC Ranges</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 Ω</td>
<td>0.1 Ω</td>
</tr>
<tr>
<td>V DC Ranges</td>
<td>600 mV / 6 V / 60 V / 600 V</td>
<td>660 mV / 6.6 V / 66 V / 600 V</td>
</tr>
<tr>
<td>Auto AC/DC</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.0 %R + 3 cts</td>
<td>1.0 %R + 3 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 mV</td>
<td>0.1 mV</td>
</tr>
<tr>
<td>V AC Ranges</td>
<td>600 mV / 6 V / 60 V / 600 V</td>
<td>660 mV / 6.6 V / 66 V / 600 V</td>
</tr>
<tr>
<td>Auto AC/DC</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.5 %R + 5 cts</td>
<td>1.5 %R + 5 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 mV</td>
<td>0.1 mV</td>
</tr>
<tr>
<td>Frequency Ranges</td>
<td>6 kHz / 60 kHz</td>
<td>660 Hz / 6.6 kHz / 66 kHz</td>
</tr>
<tr>
<td>Resistance</td>
<td>600 Ω / 6 kΩ / 60 kΩ / 600 kΩ / 6 MΩ / 60 MΩ</td>
<td>660 Ω / 6.6 kΩ / 66 kΩ / 660 kΩ / 6 MΩ / 66 MΩ</td>
</tr>
<tr>
<td>Auto Scan</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.0 %R + 5 cts</td>
<td>1.0 %R + 5 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 Ω</td>
<td>0.1 Ω</td>
</tr>
<tr>
<td>Continuity (with buzzer)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Diode test</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Capacitance</td>
<td>6 nF / 60 nF / 600 nF / 6 μF / 60 μF / 600 μF / 6 mF / 60 mF</td>
<td>6.6 nF / 66 nF / 660 nF / 6.6 μF / 66 μF / 660 μF / 6.6 mF / 66 mF</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>10 % – 94.9 %</td>
<td>–</td>
</tr>
<tr>
<td>Other features</td>
<td>Data HOLD, deactivatable automatic power-off, MAX/MIN, ΔREL/DC&lt;sub&gt;max&lt;/sub&gt;, low battery indicator</td>
<td>Data HOLD, deactivatable automatic power-off, MAX/MIN, ΔREL/DC&lt;sub&gt;max&lt;/sub&gt;, low battery indicator</td>
</tr>
<tr>
<td>Dimensions / weight</td>
<td>130 x 81 x 24 mm / 335 g</td>
<td>130 x 81 x 24 mm / 160 g (without batteries)</td>
</tr>
<tr>
<td>Safety</td>
<td>300 V Cat III according to IEC 61010-1, IEC 61010-2-033</td>
<td>–</td>
</tr>
<tr>
<td>Accessories supplied</td>
<td>Red and black built-in test-probe leads, 2 x 1.5 V AAA batteries</td>
<td>Built-in AC/DC current clamp (clamping diameter 12 mm), red and black built-in test-probe leads, 2 x 1.5 V AAA batteries</td>
</tr>
</tbody>
</table>
## Digital Multimeters

**DMM 53**

- **Display**: 4,000 counts
- **Measurement type**: Automatic and manual
- **Ranges**
  - **I DC**: 400 µA / 4 000 µA / 40 mA / 400 mA / 10 A
    - **Basic accuracy**: 1 %R + 5 cts
    - **Best resolution**: 0.1 µA
  - **I AC**: 400 µA / 4 000 µA / 40 mA / 400 mA / 10 A
    - **Basic accuracy**: 1 %R + 5 cts
    - **Best resolution**: 0.1 µA
  - **V DC**: 400 mV / 4 V / 40 V / 400 V / 600 V
    - **Basic accuracy**: 0.5 %R + 3 cts
    - **Best resolution**: 0.1 mV
  - **V AC**: 4 V / 40 V / 400 V / 600 V
    - **Basic accuracy**: 0.8 %R + 5 cts
    - **Best resolution**: 0.1 mV
  - **Resistance**: 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
    - **Basic accuracy**: 0.8 %R + 5 cts
    - **Best resolution**: 0.1 Ω
- **Continuity (with buzzer)**: Yes
- **Diode test**: Yes
- **Capacitance**: 50 nF / 500 nF / 5 µF / 50 µF / 100 µF
- **Temperature**: –20 °C … +1,000 °C (Thermocouple Type K)
- **Frequency**: 10 Hz / 100 Hz / 1 kHz / 10 kHz / 100 kHz / 1 MHz / 10 MHz
- **Duty cycle**: 0.1 .. 99.9 %
- **Range selection**: Automatic
- **Other features**: Backlighting, Data HOLD, Torch function, NCV: no-contact detection of electric fields (voltage), Deactivatable automatic power-off
- **Safety**: 600 V Cat. III according to IEC 61010-1, IEC 61010-2-033
- **Dimensions / Weight**: 150 x 73 x 48 mm / 230 g
- **Accessories supplied**: 1 set of red/black test-probe leads, 2 x 1.5 V AAA batteries / LR03 and 1 K thermocouple

**DMM 121**

- **Display**: 4,000 counts
- **Ranges**
  - **I DC**: 400 µA / 4 000 µA / 40 mA / 400 mA / 10 A (1)
    - **Basic accuracy**: 1 %R + 5 cts
    - **Best resolution**: 0.1 µA
  - **I AC**: 400 µA / 4 000 µA / 40 mA / 400 mA / 4 A / 10 A (1)
    - **Basic accuracy**: 1 %R + 3 cts
    - **Best resolution**: 0.1 µA
  - **V DC**: 400 mV / 4 V / 40 V / 400 V / 600 V
    - **Basic accuracy**: 0.5 %R + 3 cts
    - **Best resolution**: 0.1 mV
  - **V AC**: 400 mV / 4 V / 40 V / 400 V / 600 V
    - **Basic accuracy**: 0.5 %R + 3 cts
    - **Best resolution**: 0.1 mV
  - **Resistance**: 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
    - **Basic accuracy**: 0.8 %R + 2 cts
    - **Best resolution**: 0.1 Ω
- **Continuity (with buzzer)**: Yes
- **Diode test**: Yes
- **Capacitance**: 50 nF / 500 nF / 5 µF / 50 µF / 100 µF / 1 mF / 10 mF
- **Temperature**: –20 °C … +1,000 °C (Thermocouple Type K)
- **Frequency**: 5 Hz / 50 Hz / 500 Hz / 5 kHz / 50 kHz / 500 kHz / 5 MHz
- **Duty cycle**: 0.1 .. 99.9 %
- **Range selection**: Automatic / Manual (2)
- **Other features**: Backlighting, Data HOLD, Deactivatable automatic power-off, Relative mode
- **Safety**: 600 V Cat. III according to IEC 61010-1, IEC 61010-2-033
- **Dimensions / Weight**: 181 x 92 x 57 mm / 335 g (without batteries)
- **Accessories supplied**: 1 sheath, 1 set of red/black test-probe leads and 2 x 1.5 V AA batteries

(1) 20 A max / 30 s max – except for frequency and capacitance

**DMM 141**

To order: P06231423Z

www.multimetrix.fr
# Digital multimeters

<table>
<thead>
<tr>
<th>Display</th>
<th>DMM 210</th>
<th>DMM 220</th>
<th>DMM 230</th>
<th>DMM 240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement type</td>
<td>AVG</td>
<td>TRMS AC/DC</td>
<td>TRMS AC/DC</td>
<td>AVG</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>40 Hz to 1 kHz</td>
<td>50 Hz to 1 kHz</td>
<td>50 Hz to 1 kHz</td>
<td>50 Hz to 1 kHz</td>
</tr>
<tr>
<td>I DC</td>
<td>Ranges: 600 µA / 6000 µA / 60 mA / 600 mA / 6 A / 10 A</td>
<td>400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)</td>
<td>400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)</td>
<td>400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.0 % + 3 cts</td>
<td>1.0 % + 3 cts</td>
<td>1.0 % + 3 cts</td>
<td>1.0 % + 3 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 µA</td>
<td>0.01 µA</td>
<td>0.01 µA</td>
<td>0.01 µA</td>
</tr>
<tr>
<td>4-20 mA</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>25 % to 125 %</td>
</tr>
<tr>
<td>I AC</td>
<td>Ranges: 600 µA / 6000 µA / 60 mA / 600 mA / 6 A / 10 A (20 A max.)</td>
<td>400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)</td>
<td>400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)</td>
<td>400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.5 % + 3 cts</td>
<td>1.5 % + 3 cts</td>
<td>1.5 % + 3 cts</td>
<td>1.5 % + 3 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 µA</td>
<td>0.1 µA</td>
<td>0.1 µA</td>
<td>0.1 µA</td>
</tr>
<tr>
<td>V DC</td>
<td>Ranges: 600 mV / 6 V / 60 V / 600 V / 1,000 V</td>
<td>400 mV / 4 V / 40 V / 400 V / 1,000 V</td>
<td>400 mV / 4 V / 40 V / 400 V / 1,000 V</td>
<td>400 mV / 4 V / 40 V / 400 V / 1,000 V</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>0.09 % + 2 cts</td>
<td>0.06 % + 2 cts</td>
<td>0.06 % + 2 cts</td>
<td>0.06 % + 2 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 mV</td>
<td>0.01 mV</td>
<td>0.01 mV</td>
<td>0.01 mV</td>
</tr>
<tr>
<td>V AC</td>
<td>Ranges: 6 V / 60 V / 600 V / 1,000 V</td>
<td>400 mV / 4 V / 40 V / 400 V / 1,000 V</td>
<td>400 mV / 4 V / 40 V / 400 V / 1,000 V</td>
<td>400 mV / 4 V / 40 V / 400 V / 1,000 V</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>1.0 % + 3 cts</td>
<td>1.0 % + 3 cts</td>
<td>1.0 % + 3 cts</td>
<td>1.0 % + 3 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>1 mV</td>
<td>0.1 mV</td>
<td>0.1 mV</td>
<td>0.1 mV</td>
</tr>
<tr>
<td>Resistance</td>
<td>Ranges: 600 Ω / 6 kΩ / 60 kΩ / 600 kΩ / 6 MΩ / 60 MΩ</td>
<td>400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ</td>
<td>400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ</td>
<td>400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ</td>
</tr>
<tr>
<td>Basic accuracy</td>
<td>0.3 % + 4 cts</td>
<td>0.3 % + 4 cts</td>
<td>0.3 % + 4 cts</td>
<td>0.3 % + 4 cts</td>
</tr>
<tr>
<td>Best resolution</td>
<td>0.1 Ω</td>
<td>0.01 Ω</td>
<td>0.01 Ω</td>
<td>0.01 Ω</td>
</tr>
<tr>
<td>Audible continuity</td>
<td>Yes / 0.1 Ω</td>
<td>Yes / 0.1 Ω</td>
<td>Yes / 0.1 Ω</td>
<td>Yes / 0.1 Ω</td>
</tr>
<tr>
<td>Diode test</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Capacitance</td>
<td>—</td>
<td>0.01 nF to 1,000 µF</td>
<td>0.001 nF to 40 mF</td>
<td>0.001 nF to 40 mF</td>
</tr>
<tr>
<td>Temperature (K thermocouple)</td>
<td>—</td>
<td>- 45 °C to +750 °C</td>
<td>- 50 °C to +1,000 °C</td>
<td>- 50 °C to +1,000 °C</td>
</tr>
<tr>
<td>Frequency</td>
<td>Electrical: 10.00 to 400.00 Hz</td>
<td>40.00 to 400.00 Hz</td>
<td>40.00 to 400.00 Hz</td>
<td>40.00 to 400.00 Hz</td>
</tr>
<tr>
<td>Electronic: 0.001 Hz to 10.00 MHz</td>
<td>0.001 Hz to 100.00 MHz</td>
<td>0.001 Hz to 100.00 MHz</td>
<td>0.001 Hz to 100.00 MHz</td>
<td>0.001 Hz to 100.00 MHz</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>0.1 to 99.9 %</td>
<td>0.1 to 99.9 %</td>
<td>0.1 to 99.9 %</td>
<td>0.1 to 99.9 %</td>
</tr>
<tr>
<td>Other features</td>
<td>Automatic shutdown (deactivatable), DATA HOLD, Relative mode – MIN, MAX</td>
<td>Automatic shutdown (deactivatable), DATA HOLD, Relative mode – MIN, MAX, PEAK (1 ms)</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Ingress protection</td>
<td>IP 67</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Safety</td>
<td>600 V Cat. IV / 1,000 V Cat. III according to IEC 61010-1, IEC 61010-2-033</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Dimensions / Weight</td>
<td>187 x 81 x 50 mm / 342 g approx.</td>
<td>187 x 81 x 50 mm / 342 g approx.</td>
<td>187 x 81 x 50 mm / 342 g approx.</td>
<td>187 x 81 x 50 mm / 342 g approx.</td>
</tr>
<tr>
<td>Accessories supplied</td>
<td>9 V battery, 1 set of red/black test-probe leads</td>
<td>9 V battery, 1 set of red/black test-probe leads + adapter for K thermocouple + type K temperature probe</td>
<td>9 V battery, 1 set of red/black test-probe leads + adapter for K thermocouple + type K temperature probe</td>
<td>9 V battery, 1 set of red/black test-probe leads + adapter for K thermocouple + type K temperature probe</td>
</tr>
</tbody>
</table>


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**Note:** The above specifications are for reference only and may vary depending on the specific model and region. Always consult the manufacturer’s documentation for the most accurate and up-to-date information.
Testers

Voltage tester
VT 14
- Voltage testing: 12 V to 690 V~ (7 diodes)
- Impedance: 400 kΩ
- Operating frequency: DC and 50/60 Hz
- Polarity test with ‘+’ and ‘-‘ diodes
- Protection up to 1,000 V
- IEC 61010 600 V CAT III
- Powered by 1 x 9 V 6LR61 battery

Dimensions / Weight:
193 x 47 x 36 mm / 170 g

To order: P06230203

Wallplug Tester
2P+E mains socket and RCD tester
VT 11
🌟 For renovation work and quick checking of 2P+E socket connections

Tests performed:
- PE (Earth (1)) not connected
- Line (L) not connected
- Neutral (N) not connected
- Inversion of Line (L) / Neutral (N)
- Inversion of Line (L) / Earth (PE)
- Presence of voltage on PE(1)

RCD tripping up to up to 30 mA
(1) = “Earth” or “Protective conductor”

Dimensions / weight:
78 x 72 x 79 mm / 70 g

To order: P06230304

Socket and 10 mA / 30 mA
RCD tester
VT 35
- Quick testing of your power sockets (wiring of the Earth, Phase and Neutral)
- Quick testing of 30 mA RCD tripping
- Powered by the mains supply
- Safety: 250 V Cat. II (IEC 61010) - CE

Dimensions / Weight: 85 x 56 x 31 mm / 250 g

To order: P06230301

Phase detector
with built-in torch
VT 12
- No-contact phase detection
- Extra-bright white LED torch
- Operating voltage: 200V to 600V AC 50/60 Hz
- IEC 61010 600V CAT III
- Powered by 2 x AAA/LR03 batteries

Dimensions / Weight: 176 x 26 mm / 48 g

To order: P06230202

Accessories

Adapter and type-K
temperature probe
ACC No 80
Measurement range from −50 °C to +200 °C
Resolution: 0.1 °C to 2 °C

To order: P06239306

Carrying bag
ACC No 21
Equipped with two elastic compartments (100 mm and 35 mm) and a document storage compartment.
Supplied with a 17 cm wrist strap and a 50 cm shoulder strap.
Dimensions: 250 x 165 x 60 mm

To order: P06239502
Analogue earth resistance tester
ERT 200

- Two and three-phase measurement methods
- Earth potential measurement up to 30 V AC
- Three measurement ranges: 10 Ω / 100 Ω / 1,000 Ω

- Battery charge measurement
- Safety: 30 V Cat. III (IEC 61010-1)

Dimensions / Weight:
205 x 90 x 55 mm / 515 g (including batteries)

Supplied in a hard case with:
- Three leads terminated by crocodile clips (red 15 m, yellow 10 m and green 5 m),
- One red lead 1.20 m long terminated by a crocodile clip,
- Two 20 cm stakes,
- One double measurement cable for the two-phase method and batteries.

To order: P06232902

Digital earth resistance tester
ERT 201

- Two and three-phase measurement methods
- Measurement of earth potential up to 200 V AC
- Three measurement ranges: 20 Ω / 200 Ω / 2,000 Ω
- Data Hold
- Safety: 200 V Cat. III (IEC 61010-1)
- Charge indicator for batteries (6 x 1.5 V)
- Supplied in a hard case with accessories

Dimensions in carrying case / weight:
275 x 260 x 100 mm / 550 g (including batteries)

Supplied in a hard case with:
- Three leads terminated by crocodile clips (red 15 m, yellow 10 m and green 5 m),
- One red lead 1.20 m long terminated by a crocodile clip,
- Two 20 cm stakes,
- One double measurement cable for the two-phase method and batteries.

To order: P06232901

Earth testing kit

Carrying bag containing:
- Two T-shaped stakes (18 cm),
- Three measurement leads terminated by crocodile clips (20 m red, 10 m yellow, 5 m green),
- Additional cable for ERT 200 and 201.

To order: P06233001

Mains socket measurement lead

- For measuring directly on a mains socket
- Quick implementation for reliable connections

To order: P06239307
Digital insulation tester at 1,000 V
MH 401

- Insulation measurement at 250 Vdc / 500 Vdc / 1,000 Vdc up to 2,000 Ω
- Timer / DATA HOLD / compensation of leads
- Safety: 300 V Cat. III (IEC 61010-1)

- Voltage measurement: 0 to 600 Vac
- Continuity measurement (I > 200 mA) with buzzer
- Measurement comfort: voltage presence LED / ongoing insulation test LED
- Automatic standby function for batteries (6 x 1.5 V)

Supplied in a hard case with 2 leads 80 cm long (red + black) terminated by test probes plus 2 crocodile clips (red + black) connectable to test probes and batteries.

To order: P06234101

Loop impedance / short-circuit current tester
EIT 800

- Fully automatic measurement and calculation sequence: plug in, press the button and everything is displayed
- Automatic verification of connections and power supply
- Automatic standby function

- Loop impedance measurement:
  earth loop and internal loops up to 2,000 Ω
- Calculation of short-circuit current up to 6 kA
- Phase-neutral and phase-earth voltages of the installation
- Safety: 270 V Cat. III (IEC 61010-1)

Dimensions / Weight:
205 x 90 x 55 mm / 535 g including batteries

Supplied in a hard case with 3 leads 50 cm long (green + black + red) terminated by crocodile clips, batteries and a mains socket measurement lead.

To order: P06234701
Electrical Safety

Analogue earth and insulation tester

EIT 810

3P or 2P earth measurement up to 1,200 Ω

Insulation measurement up to 250 / 500 Vdc
up to 100 / 200 MΩ

• Voltage measurement up to 600 Vac
• Instantaneous or stabilized measurement (longer measurement time)
• Battery charge measurement
• Safety: 600 V Cat. III (IEC 61010-1)

Dimensions / Weight:
250 x 190 x 110 mm / 1.5 kg

Supplied in a hard case with 3 leads terminated by crocodile clips (red 15 m, yellow 10 m and green 5 m), 1 red lead 1.20 m long terminated by a crocodile clip, 2 x 20 cm stakes, 2 leads 80 cm long (red + black) terminated by crocodile clips and 8 x 1.5 V batteries.

To order: P06234702
### Circuit Breaker Finder

**CBF 01**

*For simple location of fuses and circuit-breakers*

<table>
<thead>
<tr>
<th>CBF 01 Transmitter</th>
<th>CBF 01 Receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating voltage</td>
<td>200 – 240 V</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>50 / 60 Hz</td>
</tr>
<tr>
<td>Indication</td>
<td>LED Audible and visual (LED)</td>
</tr>
<tr>
<td>Power supply</td>
<td>9 V battery</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>Adjustable</td>
</tr>
<tr>
<td>Dimensions</td>
<td>80 x 50 x 31 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 55 g</td>
</tr>
<tr>
<td>Safety</td>
<td>IEC 61010 300 V Cat. II</td>
</tr>
</tbody>
</table>

Supplied with three adapters for: mains socket, B22 socket (bayonet), E27 socket (screw-in), one bag, one 9 V battery, one operating manual (FR/GB/D/I/E)

To order: P06237001

### Digital Tachometer

**RPM 82**

*Automatic calibre selection*

*MAX, MIN, HOLD*

- Operation with or without contact
- Accuracy: 0.05 % + 1 count
- Rotation speed and linear rotation speed with contact: 0.5 rpm to 19,999 rpm
  - Rotation without contact: 2.5 rpm to 99.999 rpm
  - Linear speed: 0.05 m/min to 1,999.9 m/min

Dimensions / Weight: 160 x 72 x 37 mm / 300 g

Supplied with:
- 1 battery, 1 carrying case,
- 1 contact measurement adapter,
- 1 tapered adapter, 1 tubular adapter,
- 1 wheel for linear speed, reflective stickers.

To order: P06236902

### USB Temperature and Humidity Recorder

**DL 53**

- 32,000-point memory:
  - 16,000 readings from – 40 °C to +70 °C
  - 16,000 readings from 0 to 100 % RH
- Wide range of recording intervals
- Easily adjustable alarms
- Min/max overrun indicator LEDs
- Simple PC connection with USB

*Compact*

*Customizable*

*Easy to use*

Dimensions / Weight: 101.5 x 30 x 30 mm / 20 g

Supplied with software on CD-Rom, protective cover, stick-on or screw-on support (screws supplied), lithium battery

To order: P06230801

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Supplied with software in 5 languages (F, GB, D, I, E) compatible with the following operating systems:
- Windows XP & Vista (32 bits), 7, 8, 8.1 & 10 (32 & 64 bits).
- Windows 10, Windows 8/8.1, Windows 7, Windows Vista and Windows XP are registered trade marks of Microsoft Corporation
Contact thermometers

- TM 60: 1 K/J thermocouple input, single display
- TM 62: 2 K/J thermocouple inputs, double display

**TM 60**
To order: P06236301

**TM 62**
To order: P06236302

<table>
<thead>
<tr>
<th>TM 60</th>
<th>TM 62</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor used</td>
<td>K / J Thermocouple</td>
</tr>
<tr>
<td>Number of inputs</td>
<td>1</td>
</tr>
<tr>
<td>Display</td>
<td>Single</td>
</tr>
<tr>
<td>Measurement range</td>
<td>–200 °C to +1370 °C</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1 °C</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 0.05 % + 0.7 °C</td>
</tr>
<tr>
<td>Functions</td>
<td>Relative measurement, MAX, MIN, HOLD</td>
</tr>
<tr>
<td>Difference T1-T2</td>
<td>—</td>
</tr>
<tr>
<td>Backlighting</td>
<td>Yes</td>
</tr>
<tr>
<td>Choice of measurement unit</td>
<td>Yes</td>
</tr>
<tr>
<td>Dimensions / Weight</td>
<td>130 x 56 x 38 mm / 170 g</td>
</tr>
<tr>
<td>Accessories supplied</td>
<td>1 K thermocouple sensor</td>
</tr>
<tr>
<td></td>
<td>1 battery and 1 carrying bag</td>
</tr>
</tbody>
</table>

Digital lightmeter
**LM 76**

- 2,000-count display
- Measurement range: 0 to 200,000 Lux
- No. of ranges: 4
- Accuracy: 3 %

- Remote-controllable probe
- Incidence correction
- MAX, MIN, HOLD
- Choice of measurement unit: Lux or Fc

Dimensions: instrument: 130 x 55 x 38 mm sensor: 125 x 86 x 35 mm Weight: 250 g

Supplied with a carrying bag and 9 V battery

To order: P06236201
**Other Measurements**

**Cable tester for telephone, computer and video wiring**

**CT 51**

- Removable transmitter module: only one person needed for testing
- For cables: RJ-45 / RJ-11 / USB / 1394 / BNC
- Testing for continuity, breaks and short-circuits
- Measurements on cables up to 180 m long

Dimensions / Weight: 200 x 100 x 27 mm / 280 g (everything included)
Supplied with cable adapters and a 9 V battery

**Stud (wood/metal) and live cable detector**

**D 45**

- No more blind drilling into wooden or plasterboard walls
- Location of live electrical cables
- Detection of metal items (pipes, etc.) and the position of wood or metal studs
- Detection depth: 30 cm
- Accuracy of indication: ± 15 mm
- Automatic calibration
- Automatic shutdown

Supplied with a 12 V battery (MN21 type)
Dimensions / Weight: 130 x 65 x 35 mm / 130 g

**Distance meter**

**DM 100**

- Simple, accurate measurement of all your dimensions
- Laser system
- Measurement up to 50 m
- Simple to use: one key, one function
- Measures lengths, heights, areas, volumes
- Storage of last 20 measurements

Dimensions / Weight: 115 x 48 x 18 mm / 135 g
Supplied with a 9 V battery, an operating manual, a wrist strap and a carrying bag
Power Supplies

**XA 1525**
- Single-output DC laboratory power supply
- 0-15.0 VDC / 0-2.5 ADC adjustable output
- Separate display of voltage and current settings
- Coarse and fine voltage output adjustment
- Full overload protection

![XA 1525](image)

To order: XA1525

**XA 3033**
- Triple-output DC laboratory power supply
- Two 0-30.0 VDC / 0-3.0 ADC adjustable outputs and one 5 VDC / 3 ADC fixed output
- The 2 independent outputs can be set up in parallel to obtain 6 A
- The 2 independent outputs can be set up in series to obtain 60 V
- Voltage and current output regulation with low noise
- Full overload protection

![XA 3033](image)

To order: XA3033

**XA 3051**
- Single-output DC laboratory power supply
- 0-30.0 VDC / 0-5.0 ADC adjustable output
- Separate display of voltage and current settings
- Coarse and fine voltage output adjustment
- Full overload protection

![XA 3051](image)

To order: XA3051

**XA 3052**
- Dual-output DC laboratory power supply
- Two 0-30.0 VDC / 0-5.0 ADC adjustable outputs
- The 2 independent outputs can be set up in parallel to obtain 10 A
- The 2 independent outputs can be set up in series to obtain 60 V
- Voltage and current regulation with low noise
- Full overload protection

![XA 3052](image)

To order: XA3052
Generators

XM 2101

🌟 20,000-count multimeter with red LED display

- Basic accuracy for V DC: 0.05%
- Voltage ranges: 2 V to 1,000 V DC/750 V AC
- Current ranges: 2 mA to 10 A DC/AC
- Resistance ranges: 2 kΩ to 20 MΩ
- Frequency measurements up to 200 kHz
- Diode test and audible continuity

To order: XM2101

XG 2102

🌟 0.2 Hz to 2 MHz LF function generator

- Frequency meter with automatic ranges up to 50 MHz
- Sine, square and triangle signal waveforms with adjustable duty cycle
- 6-digit green LED frequency display
- Rise time 120 ns and 25 ns for TTL output
- Amplitude ±10 Vp-p, offset \( \pm 10 \) VDC (in open circuit)
- Internal linear sweep with adjustable time between 20 ms and 2 s
- Adjustable TTL and CMOS outputs, external wobble modulation input

To order: XG2102
Digital oscilloscope

XDO 2040

- 2-channel oscilloscope, 40 MHz
- Extra-bright 7” colour TFT screen
- “Real-time” FFT Analyser
- Communication: USB host and device

- Maximum sampling rate up to 1 GS/s in one-shot mode
- Maximum sampling rate up to 25 GS/s for periodic signals
- Acquisition memory depth 1 M pts per channel
- Vertical sensitivity 2 mV/div. to 10V/div.
- 32 automatic measurements simultaneously
- Manual cursor measurements
- Display in normal mode or persist mode
- 10 languages selectable by menu

To order: XDO2040