Introducing the Thorsman Test Meters

A complete suite of test meters that offer quality, ergonomic and robust products: safe and easy to operate measuring and testing tools, supplying clear and accurate readings of current, resistance, temperature, moisture, etc. covering all the needs from @Home to @Site.

Ergonomic
Easy to use and read with digital, sound or light displays. Easy to carry thanks to compact design. Hands free options.

Safety
Sound or light warnings where applicable, comply to IEC 61010, Cat III or Cat IV overload protection accordingly.

Robust
Made to resist tough environment - robust plastic cases and rubber holsters.

Availability
Products stocked in stores at Distributors/DIY point of sales. No need to order.

Durable
Long lifetime.

Support
Tech Product info, Comm. means, Instructions.

Smart
Easy to use, packaging + marking on product to understand all the features. Full instruction manuals included.

Designed
Brand identity in the design, pattern, colours, shape... Innovative design.
Digital Multimeter - category III - 600 V

**Description**
- Digital multimeter equipped with a backlit screen and a data hold function
- DC voltage range: 0.2/2/20/200/600 V
- AC voltage range: 200/600 V
- DC current: 0.2 mA/2 mA/20 mA/200 mA/10 A
- Resistance: 200 Ω/2 kΩ/20 kΩ/200 kΩ/2 MΩ
- Continuity: yes, under 100 Ω
- Battery test: yes, 1.5 V (AA, AAA and button cell) and 9 V
- Electrical insulation: IEC 61010 Cat III 600 V
- Fused by 250 mA and 10 A fast fuse
- Power: 9 V battery
- Weight: 290 g (with battery).

**Application**
- A high specification digital multimeter, designed to measure voltage, current and resistance.

**Benefits**
- Low battery indicator.
- High precision measure.
- Backlight and hold result mode.
- Built in stand allows handsfree operations.

**Range**

<table>
<thead>
<tr>
<th>Type (language of packaging and instructions)</th>
<th>Size mm (HxWxT)</th>
<th>Ref. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital multimeter (French, Spanish, German, Portuguese, Polish, English)</td>
<td>150x90x40</td>
<td>IMT23222</td>
</tr>
</tbody>
</table>

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Digital Multimeter - category III - 300 V

**Description**
- Digital multimeter equipped with a backlit screen and a data hold function
- DC voltage range: 0.2/2/20/200/300 V
- AC voltage range: 0.2/2/20/200/300 V
- DC/AC current: 20 mA/200 mA/10 A
- Resistance: 200 Ω/2 kΩ/20 kΩ/200 kΩ/2 MΩ/20 MΩ
- Continuity: yes, under 100 Ω
- Temperature: 0...1000°C
- Battery test: yes, 1.5 V (AA, AAA and button cell) 9 V and 12 V
- Electrical insulation: IEC 61010 Cat III, 300 V
- Fused by 250 mA and 10 A fast fuse
- Power: 9 V battery.
- Weight: 290 g (with battery).

**Application**
- A highly specified digital multimeter designed to measure voltage, current, resistance, diode, continuity, battery power and temperature.

**Benefits**
- Low battery indicator.
- Non-contact AC voltage detection.
- Live AC wire detection.
- Backlight and hold result mode.
- Built in stand allows handsfree operations.

**Range**

<table>
<thead>
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<th>Size mm (HxWxT)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Digital multimeter (English, Danish, Finnish, Norwegian &amp; Swedish)</td>
<td>165x85x39</td>
<td>IMT23102</td>
</tr>
<tr>
<td>Digital multimeter (French, Spanish, German, Portuguese, Polish)</td>
<td>165x85x39</td>
<td>IMT23202</td>
</tr>
</tbody>
</table>
Test instruments

Multipurpose Digital Detector

Description
- Detection depth
- Stud mode: wood stud of 30×30 mm at depth of ≤ 14 mm
- Metal mode: iron pipe of Ø 20 mm at depth of ≤ 25 mm
- AC mode: 50 mm for 90...250 V at 50...60 Hz
- Power: 9 V battery (6F22)
- Weight: 213 g (with battery)
- Always calibrate before each use.

Application
This unit is an advanced detector. It can detect and locate metal, AC voltage and stud. It can be used in construction, fitment, etc.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Multipurpose digital detector</td>
<td>(English, Danish, Finnish, Norwegian &amp; Swedish)</td>
<td>180x73x32</td>
<td>IMT23104</td>
</tr>
<tr>
<td>Multipurpose digital detector</td>
<td>(French, Spanish, Portuguese, Polish, Hungarian)</td>
<td>180x73x32</td>
<td>IMT23204</td>
</tr>
</tbody>
</table>

Benefits
LCD and sound signal indicate findings. 2 meter measure tape inside. Pencil slider, pencil hole. Whole alarm icon: when detects an edge of object, the icon appears as an indicator. Spotlight & groove: press when detects an object, the spotlight appears and mark in the groove position. Mark button: press this button to mark dots on the wall surface.

3-in-1 Detector

Description
- Detection depth
- Stud mode: wood stud of 30×30 mm at depth of ≤ 18 mm
- Metal mode: iron pipe of Ø 25 mm at depth of ≤ 30 mm
- AC mode: 50 mm for 90...250 V at 50...60 Hz
- Power: 9 V battery (6F22)
- Weight: 165 g (with battery)
- Always calibrate before each use.

Application
This unit is an advanced detector. It can be used in construction, fitment, carpentry, etc.

<table>
<thead>
<tr>
<th>Type</th>
<th>Range (language of packaging and instructions)</th>
<th>Size mm (HxW×T)</th>
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<tbody>
<tr>
<td>3 in 1 detector</td>
<td>(English, Danish, Finnish, Norwegian &amp; Swedish)</td>
<td>150x66x32</td>
<td>IMT23105</td>
</tr>
</tbody>
</table>

Benefits
Find the stud centre, find wood and metal studs, AC scanning to trace hot wire. Metal scanning for finding nail, pipe, rebar, and other hidden metallic object. Signal indication: when detects an edge of object, the top signal LED lights as an indicator. Spotlight & groove: when detects an object, the spotlight appears and mark in the groove position.
Installation material

Test instruments

Multifunction Cable Tracer

Description
- The transmitter is a compact hand-held instrument used for electricians to detect and track circuits into wall. Very useful when you need to repair an old electrical circuit.
- Must be used when electrical circuits are switched off.
- Unenergized electrical wires.
- Slim ergonomic receiver receptor.
- Telephone lines.
- Coaxial cables.
- Two crocodile clips.
- DC automotive wires.
- Power: 1.5 V (LR41/SR41)×4 (R).
- Weight: 220 g (with battery).

Application
- Designed to generate a distinct tone in any unenergized wire or cable. This tone can be picked up with the tracker receiver. An LED acts as a visual indicator to show that the unit is on.

<table>
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<tr>
<td></td>
<td><strong>Multifunction cable tracer</strong> (English, Danish, Finnish, Norwegian &amp; Swedish)</td>
<td>183x80x46</td>
<td>IMT23106</td>
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<tr>
<td></td>
<td><strong>Multifunction cable tracer</strong> (French, Spanish, German, Portuguese, Polish, Hungarian)</td>
<td>183x80x46</td>
<td>IMT23206</td>
</tr>
</tbody>
</table>

Infrared Thermometer

Description
- Hand-held digital infrared thermometer for surface temperature measurement.
- Backlight LCD.
- Laser pointer.
- Temperature range: -20...520°C (-4...968°F).
- Power: 9 V battery.
- Weight: ≈ 150 g (without battery).

Application
- A variety of non-contact thermo measurement application, including:
  - automotive
  - BBQ’s
  - radiator electrical installations
  - cable wires.

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<tr>
<td></td>
<td><strong>Infrared thermometer with LCD readout display</strong> (English, Danish, Finnish, Norwegian &amp; Swedish)</td>
<td>180x85x50</td>
<td>IMT23107</td>
</tr>
<tr>
<td></td>
<td><strong>Infrared thermometer with LCD readout display</strong> (French, Spanish, German, Portuguese, Polish, Hungarian)</td>
<td>180x85x50</td>
<td>IMT23207</td>
</tr>
</tbody>
</table>
Test instruments

Moisture Meter

Description
- It can measure moisture level and the ambient temperature. Drive the probes into the wood, wall or material to be measured.
- LED indication.
- Digital LCD display with backlight
- Range of wood: 6...60 %
- Range of building material: 0.2...2.9 %
- Environment temperature: 0...40°C (32...99°F)
- Weight: about 41 g (with batteries)
- Battery: 1.5 V, LR44 or equivalent, 4 pieces.

Application
- It can be used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). It displays the moisture level in the material straightaway. In addition, it can measure the ambient temperature.

Range

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<tr>
<td>Moisture meter</td>
<td>85x45x16</td>
<td>IMT23108</td>
</tr>
<tr>
<td>Moisture meter</td>
<td>85x45x16</td>
<td>IMT23208</td>
</tr>
</tbody>
</table>

Benefits
- Compact size, portable.
- Fast operation.
- Accuracy.
- Easy one-touch operation.
- °C/°F unit exchange.
- 2 pin steel probe.
- Low battery indication.
- Automatic power-off feature.

Voltage Detector Pen

Description
- A compact voltage testing device with both audible and visual (bright LED) indication if voltage is present in the circuit
- AC voltage range: 5...1000 V
- Frequency range: 50...400 Hz
- Electrical Insulation: Cat IV, 1000 V
- Illumination function included - can double as a torch
- Adjustable detection sensitivity.

Application
- In just a few seconds, a technician can determine if it's safe to work around areas like:
  - transformer cases and circuit breaker housings, power ground wires or newly-driven ground rods, mobile homes, metallic siding or metal framing pedestals, crossboxes or conduit, street light fixtures or electrical machinery.

Range

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<tr>
<td>Voltage tester pen</td>
<td>152x32x28</td>
<td>IMT23109</td>
</tr>
<tr>
<td>Voltage tester pen</td>
<td>152x32x28</td>
<td>IMT23209</td>
</tr>
</tbody>
</table>

Benefits
- Audible and visual confirmation: LED illumination offers peace of mind in a noisy environment.
- Ergonomic hand-held design.
- Bright torch function.
- Low battery indication.
- Tactile barrier for safety.
Test instruments

Compact Multimeter - category III

**Description**
- Digital multimeter provides excellent reading of the basic electrical measurements
- DC voltage range: 2/20/200/300 V
- AC voltage range: 2/20/200/300 V
- DC current: 200 mA
- Resistance range: 2 kΩ/20 kΩ/200 kΩ/2 MΩ
- Continuity: yes under 50 Ω
- Battery test: none
- Electrical insulation: Cat III, 300 V
- Fused by 250 mA fuse
- Power: 12 V battery included
- Weight: 110 g (with battery).

**Application**
- A pocket sized digital multimeter to measure voltage, current and resistance.

<table>
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</tr>
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<tbody>
<tr>
<td></td>
<td>Compact digital multimeter</td>
<td>120x75x18</td>
<td>IMT23112</td>
</tr>
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<td>(English, Danish, Finnish, Norwegian &amp; Swedish)</td>
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</tr>
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<tr>
<td></td>
<td>Compact digital multimeter</td>
<td>120x75x18</td>
<td>IMT23212</td>
</tr>
<tr>
<td></td>
<td>(French, Spanish, German, Portuguese, Polish, Hungarian)</td>
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</table>

Analogue Multimeter - category III

**Description**
- Traditional analogue meter using a needle gauge
- DC voltage range: 12/60/120/300 V
- AC voltage range: 12/60/300 V
- DC current: 0.6/12/600 mA
- Resistance: x10 Ω/x1 kΩ
- Decibel: -20...23 dB
- Continuity: yes, under 20 Ω
- Battery test: yes, 1.5 V (AA, AAA and button cell) and 9 V
- Electrical insulation: Cat III, 300 V
- Fused by 500 mA fuse
- Power: none
- Weight: 275 g (without battery).

**Application**
- A traditional analogue multimeter using a needle gauge to measure Voltage, Current and Resistance. Able to work into high humid zone < 85 %.

<table>
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<tbody>
<tr>
<td></td>
<td>Analogue multimeter</td>
<td>140x75x50</td>
<td>IMT23113</td>
</tr>
<tr>
<td></td>
<td>(English, Danish, Finnish, Norwegian &amp; Swedish)</td>
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<tbody>
<tr>
<td></td>
<td>Analogue multimeter</td>
<td>140x75x50</td>
<td>IMT23213</td>
</tr>
<tr>
<td></td>
<td>(French, Polish, Hungarian)</td>
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</tbody>
</table>
**Digital Clamp Meter - Category III - 600 V**

**Description**
- A compact 3½ digit autorange digital clamp meter designed to measure DC and AC voltage, AC current, resistance, diode and continuity
- DC voltage range: 0.2/2/20/200/600 V
- AC voltage range: 2/20/200/600 V
- AC current: 2/20/200/600 A
- Resistance: 200 Ω/2 kΩ/20 kΩ/200 kΩ/2 MΩ/2 MΩ
- Continuity: yes, under 30 Ω
- Diode check: approx. 1.5V
- Electrical insulation: IEC 61010 Cat III, 600 V
- Power: 3 V button cells, 2 pieces
- Weight: 160 g (with battery).

**Benefits**
- Compact and easy to use.
- Data hold function.
- Audible continuity.
- Low battery indicator.
- High precision measuring.
- Tactile barrier for safety.

**Application**
- For commercial, industrial and residential troubleshooting. Power panel, junction box and battery bank monitoring, AC/DC motor testing, electrical testing on non-linear loads, etc.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Digital Clamp Meter (English, Danish, Finnish, Norwegian &amp; Swedish)</td>
<td>190x76x36</td>
<td>IMT23114</td>
</tr>
<tr>
<td></td>
<td>Digital Clamp Meter (French, Spanish, German, Portuguese, Polish, Hungarian)</td>
<td>190x76x36</td>
<td>IMT23214</td>
</tr>
</tbody>
</table>
Test instruments

British Standard socket tester

Description
- It is equipped with an additional RCD tester for testing the operation of RCD whose rating is not more than 30 mA
- In conjunction with the coding table provided, combined indicators indicate the true status of the wiring condition
- A clear indication of a PE-error will be shown on the LCD if dangerous contact voltage is present at PE (ground)
- Nominal voltage: 220 V ±10 %
- Frequency range: 50...60 Hz
- Measurement category: Cat III, 300 V
- RCD-test time: 60...300 ms
- Contact voltage threshold: (< 35 V AC against ground depending on coupling to earth)
- RCD test current: 30 mA ±15 %
- Weight: approx. 70 g.

Application
- This socket tester can be used to determine whether socket wiring is correct or incorrect.

Benefits
- Provides a true ground error indication through the LCD.
- Quick recognition of dangerous voltage being present at the protective earth.
- Use of three neon indicators provides rapid detection of correct/incorrect wiring.
- Provides fast and effective RCD test function.

<table>
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<th>Type</th>
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<th>Ref. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS Socket tester</td>
<td>77x67x66</td>
<td>IMT23103</td>
</tr>
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</table>

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