**testo thermocouple adapter type K (0590 0021)**

**for clamp meter**

**Overview**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruction manual</td>
<td>[en]</td>
</tr>
<tr>
<td>Measuring range</td>
<td>-20 °C to +500 °C</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.2 °C</td>
</tr>
<tr>
<td>Accuracy</td>
<td></td>
</tr>
<tr>
<td>-20 to 0 °C</td>
<td>± 2 °C</td>
</tr>
<tr>
<td>0 to 100 °C</td>
<td>± 1 °C</td>
</tr>
<tr>
<td>100 to 250 °C</td>
<td>± 1.5 % of m.v.</td>
</tr>
<tr>
<td>&gt;250 °C</td>
<td>± 2%</td>
</tr>
<tr>
<td>Instrument max. voltage at</td>
<td>25 V DC /15 V AC</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>35 mm x 75 mm x 20 mm</td>
</tr>
<tr>
<td>Temperature range</td>
<td>Operation: 0 to 50 °C</td>
</tr>
<tr>
<td></td>
<td>Storage: -15 to 60 °C</td>
</tr>
<tr>
<td></td>
<td>0 to 70% (35-50 °C)</td>
</tr>
<tr>
<td>Conformity mark</td>
<td>verifies compliance with the valid EU Directives: EMC Directive (2014/30/EU) with the standard EN 61326-1</td>
</tr>
<tr>
<td>Warranty Duration</td>
<td>2 years</td>
</tr>
<tr>
<td>Warranty terms</td>
<td>see website <a href="http://www.testo.com/warranty">www.testo.com/warranty</a></td>
</tr>
<tr>
<td>Risk of electric shock</td>
<td>continuous double or reinforced insulation in accordance with category II DIN EN 61140/IEC 536</td>
</tr>
<tr>
<td>The instrument complies with the WEEE Directive (2012/16/EU)</td>
<td></td>
</tr>
<tr>
<td>The instrument is switched on.</td>
<td></td>
</tr>
<tr>
<td>The instrument is in AUTO V mode.</td>
<td></td>
</tr>
<tr>
<td>The measured values are indicated in °C and °F on the LC display.</td>
<td></td>
</tr>
</tbody>
</table>

**Taking temperature measurements**

**testo 770**

The contents of the testo 770 documentation must have first been read and understood.

- The thermocouple is attached to the thermocouple adapter.
- The instrument is switched on.
- The instrument is in AUTO V mode.
- Connect the thermocouple adapter to the instrument.
- Insert the adapter into the probe.
- Ensure correct polarity.
- The thermocouple adapter switches automatically.
- Activate temperature measuring. Press [ZERO] > 2 seconds.
- The measured values are indicated in °C and °F on the LC display.

**Service and maintenance**

**Replacing the batteries**

- If the battery voltage is high enough, the LED lights up green. When batteries start running out, the LED lights up red, which means the batteries need changing soon.
- Open the battery compartment: Turn the cover anti-clockwise.
- Close the battery compartment: Turn the cover clockwise.
- The battery acid (electrolyte) is highly alkaline and electrically conductive. Risk of acid burn!
- If the battery acid comes into contact with your skin or clothing, thoroughly rinse the area immediately with plenty of water and seek medical advice.
- Measurements may only be taken new electrical installations under the direction of an authorized qualified electrician – never alone.
- The instrument must only be used under the conditions and for the purpose for which it was designed. To be observed in particular are the safety instructions, technical data with ambient conditions, and use in dry environments.
- The instrument is switched on.
- The instrument is in AUTO V mode.
- The measured values are indicated in °C and °F on the LC display.
- The instrument must not be used at the designated grip areas, the display elements must not be covered.
- The instrument may only be used by trained personnel. During all operations, please observe the Employers’ Liability Insurance Association provisions for health and safety at work.
- In order to prevent electric shock, take safety precautions when working with voltages greater than 100 V/230 V AC 50 /60 Hz. These values are defined for contact voltages (with the exception of for example agricultural equipment).
- The instrument may only be touched at the designated grip areas, the display elements must not be covered.
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- The instrument may only be used in the fields of application defined in the instruction manual. Any application deviating from this is considered to be improper and unchecked use and may result in accidents or instrument damage. Any improper use will completely void any right to claims under Testo’s guarantee and warranty.
- Do not touch the instrument prior to cleaning and disconnect it from external voltage or other connected instruments (e.g. multimeter).
- Switch off the instrument prior to cleaning and disconnect it from external voltage or other connected instruments (e.g. multimeter).
- Always carry out the necessary, before use.
- Always store in a dry place.
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