## APPA 50 Series

### The Toughest Meters For Temperature Test & Measurements

<table>
<thead>
<tr>
<th>Specifications</th>
<th>APPA51</th>
<th>APPA52</th>
<th>APPA53I</th>
<th>APPA53II</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement</strong></td>
<td>-</td>
<td>-</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Range</strong></td>
<td>K-type: -20°C<del>130°C, -32°F</del>266°F</td>
<td>N/A</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>0.1°C (0.1°F)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>±(0.2% + 0.2°C) at -20°C<del>130°C, ±0.3% + 1°C at -20°F</del>266°F</td>
<td>-</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>J-type</strong></td>
<td>±(0.3% + 1°C) at -25°C<del>996°C, ±0.3% + 2°C at -32°F</del>182°F</td>
<td>N/A</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>+0.1°C/°C, ±1°C/°F or +0.3°C/°C or ±0.5°C/°F</td>
<td>N/A</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td><strong>Coefficient</strong></td>
<td>0.1°C/°C, ±1°C/°F or ±0.3°C/°C or ±0.5°C/°F</td>
<td>N/A</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td><strong>Data Logging</strong></td>
<td>16,000 records</td>
<td>N/A</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td><strong>Computer Interface Software</strong></td>
<td>Optical RS-232 interface cable with Win DTM 50 software</td>
<td>N/A</td>
<td>N/A</td>
<td>-</td>
</tr>
</tbody>
</table>

### General

- **Input**: K-type thermocouple
- **Sampling Rate**: User adjustable (0.1°C/s to 10°C/s)
- **Display**: 3½ digit (1999 count) LCD, full annunciators
- **Overload Indication**: "H", "S", "P", "-", "-"
- **Low Battery Indication**: <20% battery
- **Selectable Auto Power Off**: You can select an APO of OFF, 10, 20, 30, 45, 50 and 60 minutes.
- **Operating Temperature**: 0°C~45°C, 32°F~113°F
- **Storage Temperature**: -20°C~60°C
- **Input Protection**: 60V dc or 250V ac maximum
- **Power Requirement**: Single 9V battery (NEDA 1604 or ERC-8F22)
- **Battery Life**: 8 hours (Alkaline battery)
- **Size**: 40mm (W) × 100mm (L) × 39mm (H)
- **Weight**: 480g
- **Included with Instrument**: Type K thermocouple, protective holder, user's manual, software, and power cord

Specifications subject to change without notice.

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ISO 9001 CERTIFIED
Temperature Probes For APPA 50 Series Handheld Thermometers

The following interchangeable Type K thermocouples include mini-connectors for use with APPA 50 series meters or other temperature measuring instruments that accept mini-connectors.

50BK Bead Probe
- Measurement range: -40°C to 204°C
- (-40°F to 399°F)

50IK Immersion Probe
- For liquids and gels. Protected from tip to handle by an Inconel sheath. Suitable for general temperature measurement applications.
- Measurement range: -196°C to 800°C
- (-320°F to 1472°F)

50AK Air Probe
- For air and gases. Measuring bead is protected by perforated Stainless Steel baffle. Not for immersion in liquid.
- Measurement range: -196°C to 500°C
- (-320°F to 932°F)

50SK Surface Probe
- For flat or slightly convex surfaces. Ideal for measurement of hot rollers and plates. Measurement range: -196°C to 400°C
- (-320°F to 752°F)

50PK Piercing Probe
- Suitable for food service. Also suitable for liquids and gels.
- Measurement range: -196°C to 800°C
- (-320°F to 1472°F)

Virtual instrumentation,...
APPA 538 & 551 Digital Thermometer have an optional purchased optical RS-232 cable and powerful, comprehensive Win DTM 50 software which enables a safe and easy connection to PCs for further data acquisition and analysis.

Every APPA 50 Series meter is supplied with a protective holster that includes a built-in tilt stand and a nail hook. This holster provides an extra degree of protection and convenience for your meter.