Fluke 902
True-rms HVAC Clamp Meter

Technical Data

Heating, ventilation, air conditioning (HVAC) technicians require a service tool that can consistently keep up with their demands. The Fluke 902 expands the existing line of quality Fluke clamp meters by delivering the features necessary to diagnose and repair HVAC systems. Combined with True RMS technology and a CAT III 600 V rating, the Fluke 902 helps technicians do their jobs safely and accurately.

Use the Fluke 902 to:

- Capture flue gas temperatures
- Conduct flame rod testing
- Measure start and run motor capacitors
- Measure performance of variable frequency drives

Features include:

- Capacitance
- DC current to 200 µA
- Contact temperature (K-type thermocouple)
- True-rms
- Min/Max
- Hold

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage dc</td>
<td>0 to 600.0 V</td>
<td>1 % ± 5 counts</td>
</tr>
<tr>
<td>Voltage ac (true-rms)</td>
<td>0 to 600.0 V</td>
<td>1 % ± 5 counts (50/60 Hz)</td>
</tr>
<tr>
<td>Current ac (true-rms)</td>
<td>0 to 600.0 A</td>
<td>2.0 % ± 5 counts (50/60 Hz)</td>
</tr>
<tr>
<td>Current dc</td>
<td>0 to 200.0 µA</td>
<td>1.0 % ± 5 counts</td>
</tr>
<tr>
<td>Resistance</td>
<td>0 to 9999 Ω</td>
<td>1.5 % ± 5 counts</td>
</tr>
<tr>
<td>Continuity</td>
<td>&lt;= 30 Ω</td>
<td></td>
</tr>
<tr>
<td>Temperature*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Type-K thermocouple)</td>
<td>-10 °C to 400 °C</td>
<td>± 1.0 % ± 0.8 °C (± 1.0 % ± 1.5 °F) typical</td>
</tr>
<tr>
<td></td>
<td>(-14 °F to 752 °F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-40 °C to -10 °C</td>
<td>± 5.0 % ± 1.5 °C (± 5.0 % ± 3.3 °F) typical</td>
</tr>
<tr>
<td></td>
<td>(-40 °F to -14 °F)</td>
<td></td>
</tr>
<tr>
<td>Capacitance</td>
<td>1 µF to 1000 µF</td>
<td>1.9 % ± 2 counts</td>
</tr>
<tr>
<td>Warranty</td>
<td>Three-years</td>
<td></td>
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</table>

*Error does not include Type-K thermocouple errors
Ordering Information

Fluke-902 HVAC Clamp Meter
Included
AA alkaline batteries (2)
Users manual (w/safety information)
Soft carrying case
TL75 Test Leads (1 pair)
80BK Integrated DMM Temperature Probe (1)

Optional accessories

H3 Clamp Meter Holster
- Rugged fabric holster includes flap for lead storage and built-in belt loop
- Also used on Fluke 320 and 330 Series Clamp Meters

TL223 SureGrip™ Electrical Test Lead Set
- Starter kit for electrical applications
- TP1 has flat blades for wall sockets
- Includes 1 pair: AC220, TP1, TL224
- CAT III 1000 V, CAT IV 600 V, 10 A

80PK-8 Pipe Clamp Probe (for use with 80AK)
- Clamps securely to pipe from 6.4 mm to 34.9 mm (.25 in to 1.375 in)
- Temperature range: -29 °C to 149 °C (-20 °F to 300 °F)
- Probe material: K-type sensor with pvc body
- Cable length: 1 m (39 in)

80AK Thermocouple Adapter
- Adapts Type-K thermocouple mini-connector to dual banana plug inputs
- Measurement range and accuracy is not affected by the 80AK adapter

Fluke. Keeping your world up and running.™