

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 uA
- Contact temperature (K-type thermocouple)
- True-rms
- Min/Max
- Hold

Specifications

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

*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.™

Fluke Corporation

PO Box 9090, Everett, WA USA 98206

Fluke Europe B.V.

PO Box 1186, 5602 BD Eindhoven, The Netherlands

For more information call:

In the U.S.A. (800) 443-5853 or

Fax (425) 446-5116

In Europe/M-East/Africa +31 (0) 40 2675 200 or

Fax +31 (0) 40 2675 222

In Canada (800)-36-FLUKE or

Fax (905) 890-6866

From other countries +1 (425) 446-5500 or

Fax +1 (425) 446-5116

Web access: <http://www.fluke.com>

©2006 Fluke Corporation. All rights reserved.
Printed in U.S.A. 10/2006 2645797 D-EN-N Rev B