Fluke 902 FC True-rms Wireless HVAC Clamp Meter

If you are an HVAC technician, you need a reliable clamp meter to keep up with your demanding world. The Fluke 902 FC delivers the features necessary to diagnose and repair HVAC systems. Additionally, with Fluke Connect® you can trend measurements, create and send reports right from the field, safely stay away from live equipment while taking measurements, and more.

Measurement capability

- 600 A ac current measurement
- 600 V ac and dc voltage measurement
- Temperature measurement from -10 °C to 400 °C (14 °F to 752 °F)
- 1000 µF capacitance measurement
- DC Current measurement to 200 µA
- True-rms voltage and current for accurate measurements on non-linear signals
- Resistance measurement to 60 kΩ
- Min and max recording to capture variations automatically

Features

- Get more done faster and safer than before by connecting your meter to Fluke Connect and capture measurements wirelessly. Save your measurement to Fluke Cloud™ storage for further analysis or comparison to earlier inspection data.
  - Read measurements on your phone at a safe distance, wearing less PPE while your meter takes the arc blast zone risks, not you.
  - Instantly trend and monitor measurements live on your phone screen for better troubleshooting results.

FLUKE CONNECT®

LOG AND TREND MEASUREMENTS
Transmit results wirelessly via Fluke Connect®

SAFETY RATING
CAT III 600V / CAT IV 300V

BACKLIT DISPLAY
For working in low-lighting spaces

HVAC SPECIFIC FEATURES
Extended resistance range to measure a broad set of thermistors, µA DC current range to measure flame sensor current, contact temperature, and capacitance

WARRANTY
Three-years

Features (continued)

- Create and email reports right from the field. When team collaboration is needed use Fluke Connect ShareLive™ video call to share live measurements and discuss next steps with colleagues.
- Don't risk transcription errors, save your measurements directly to your meter from your smartphone with the press of a button.
- CAT III 600V / CAT IV 300V safety rating
- TPAK magnetic hanging strap (optional) allows you to conveniently hang the meter while using the probes

- Ergonomic design fits in your hand and can be used while wearing personal protective equipment
- Large, easy-to-read backlit display
- Three-year warranty
- Soft carrying case
- Auto shut-off maximizes battery life so the meter works when you need it
- Measurement range feature automatically changes switch positions

Specifications

General specifications				
Function	**Range**	**Resolution**	**Accuracy**	**Crest factor (50Hz or 60Hz)**
A ac (via Jaw)	60/600 A	0.01/0.1 A	2.0 % ± 5 digit (45–65 Hz) 2.5 % ± 5 digit (65–400 Hz)	2.5 at 220 A 3.0 at 180 A >1.4 at 600 A Add 2 % kΩ for CF>2
V ac	600 V	0.1 V	1.5 % ± 5 digits (45–400Hz)	
V dc	600 V	0.1 V	1 % ± 5 digits	
Ohms	600/6,000/60,000 Ω	0.1/1/10	1 % ± 5 digits	
µA	200 µA	0.1 µA	1 % ± 4 digits	
Contact temperature	10 to 400 °C (14 °F to 752 °F)	0.1 C/F	1 % ± 8 digits	
Capacitance	100.0/1000 µF	0.1/1 µF	1% +/- 4 digits	
Continuity beeper				
Beeper volume	75 dBA nom. 15 cm from case front			
On threshold	<=30 Ω			

Specifications (continued)

Mechanical and general specifications	
Maximum voltage between any terminal and earth ground	600 V
Battery type	2 AA alkaline batteries, NEDA 15A, IEC LR6
Temperature	Operating: –10 °C to +50 °C (14 °F to + 122 °F) Storage: –40 °C to +60 °C (–40 °F to + 140 °F)
Operating humidity	Non-condensing <10 °C (50 °F)
	≤90 % RH @ 10 °C to 30 °C (50 °F to 86 °F)
	≤75 % RH @ 30 °C to 40 °C (86 °F to 104 °F)
	≤45 % RH @ 40 °C to 50 °C (104 °F to 122 °F)
Altitude	Operating: 3,000 m (9,842 ft) Storage: 12,000 m (39,370 ft)
Dimensions	230 mm x 83.7 mm x 45.4 mm (9.06 in x 3.30 in x 1.39 in)
Weight (meter only)	419 g (14 oz)
Safety	IEC 61010-1, Pollution Degree 2 IEC 61010-2-032: CAT III 1000 V / CAT IV 600 V IEC 61010-2-033: CAT III 1000 V / CAT IV 600 V
IP Rating	IEC 60529: IP30, non-operating
Radio Frequency Certification	FCC ID:T68-FBLE IC:6627A-FBLE
Electromagnetic Compatibility (EMC)	International: IEC 61326-1: Portable, Electromagnetic Environment, IEC 61326-2-2 CISPR 11: Group 1, Class A
	Korea (KCC): Class A Equipment (Industrial Broadcasting & Communication Equipment)
	USA (FCC): 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.
Temperature coefficients	Add 0.1 × specified accuracy for each degree C above 28 °C or below 18 °C

Ordering information

902 FC HVAC Clamp Meter

Included
902 FC HVAC Clamp Meter
One pair TL75 Test leads
One 80BK Integrated DMM Temperature Probe
Two AA alkaline batteries
Soft carrying case
Users' manual
Statement of Calibration Practices

Optional accessories
TPAK Magnetic Hanging Strap

Set up and sustain preventive maintenance practices with ease to help you oversee your complex world with the Fluke Connect® system of software and over 40 wireless test tools.

- Maximize uptime and make confident maintenance decisions with data you can trust and trace.
- Save measurements to the Fluke Cloud™ and associate with an asset so your team can consult both historical and current measurements from one location.
- Collaborate with ease by sharing your measurement data with team members with ShareLive™ video calls and emails.
- Wireless one-step measurement transfer with AutoRecord™ measurements eliminates transcription errors, clipboards, notebooks and multiple spreadsheets.
- Generate reports with multiple measurement types to provide status or next step recommendations.

Find out more at **flukeconnect.com**

Fluke. *Keeping your world up and running.®*

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

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