



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TECHNICAL DATA

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.



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



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Fluke Connect is not available in all countries, check with your local Fluke representative.

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>

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