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Data Sheet

August 14, 2026

FLUKE / WAVETEK

Fluke / Wavetek 116 Multi-Purpose Voltage Controlled Generator

Fluke 116 HVAC True RMS Digital Multimeter The Fluke 116 is a compact True-RMS HVAC digital multimeter with built-in Type-K thermometer and microamp ranges for flame-sensor troubleshooting. Official Fluke 116 technical data lists CAT III 600 V rating, 6000-count display, DC/AC volts to 600 V, capacitance to 9999 μ F, LoZ capacitance, temperature minus 40 C to 400 C, and AC/DC microamps to 600.0 μ A. HVAC electrical troubleshooting, flame-rod microamp checks, temperature measurements with Type-K thermocouple, LoZ ghost-voltage avoidance, and general voltage resistance capacitance and frequency measurements. The Fluke 116 is a compact True-RMS HVAC digital multimeter with built-in Type-K thermometer and microamp ranges for flame-sensor troubleshooting. Official Fluke 116 technical data lists CAT III 600 V rating, 6000-count display, DC/AC volts to 600 V, capacitance to 9999 μ F, LoZ capacitance, temperature minus 40 C to 400 C, and AC/DC microamps to 600.0 μ A. HVAC electrical troubleshooting, flame-rod microamp checks, temperature measurements with Type-K thermocouple, LoZ ghost-voltage avoidance, and general voltage resistance capacitance and frequency measurements.



MODEL

**Fluke / Wavetek
116**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

116

LISTING

**[https://aumictechlabs.c
om/products/116-2/](https://aumictechlabs.com/products/116-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke/Wavetek 116 is a multi-purpose voltage controlled generator engineered for electronic testing and calibration across diverse applications. It delivers triggered, gated, and phase-lock operation modes, plus an internal cycle counter enabling tone burst generation without external gating. The instrument generates sine, square, triangle, and ramp waveforms across a 0.005 Hz to 1 MHz frequency range. Technical Specifications Frequency Range: 0.005 Hz to 1 MHz (practical upper limit on some units: 800 kHz) Waveform Types: Sine, Square, Triangle, Ramp Amplitude Control: Adjustable Offset Control: Adjustable Output Connectors: BNC Weight: Approximately 2.5 lbs Key Features Internal cycle counter for 1, 2, 4, 8, 16, 32, 64, 128, or 256-cycle tone burst generation Built-in frequency counter for accurate frequency measurement Triggered operation for synchronized waveform generation Gated mode for conditional signal output Phase-lock capability for coherent signal relationships Typical Applications Signal source for circuit and subsystem testing Calibration of measurement instruments Audio and ultrasonic frequency generation Component and system characterization across audio to megahertz ranges Tone burst and pulse train generation Compatibility & Integration The Wavetek 116 integrates readily into bench test setups via standard BNC connectors. Calibration services are available, including standard calibration to manufacturer specifications and ISO 17025 accredited calibration. Equipment repair services are also supported.

Features & description

From manufacturer datasheet

Built-in thermometer for HVAC applications

Microamps for flame sensor testing LoZ to help prevent false readings from ghost voltage Min Max Average with elapsed time True-RMS AC measurements Technical Specifications Maximum Voltage To Earth: 600 V Safety Rating: IEC 61010 CAT III 600 V Pollution Degree 2 Display Counts: 6000 digital updates 4 per second Bar Graph: 33 segments updates 32 per second Operating Temperature: minus 10 C to 50 C Storage Temperature: minus 40 C to 60 C Battery Type: 9 V alkaline IEC 6LR61 Battery Life Typical: 400 hours without backlight DC Millivolts Range: 600.0 mV resolution 0.1 mV DC Millivolts Accuracy: plus or minus (0.5 percent plus 2) DC Volts Ranges: 6.000 V 60.00 V 600.0 V DC Volts Accuracy: plus or minus (0.5 percent plus 2) AC Volts True RMS Accuracy 45 To 500 Hz: plus or minus (1.0 percent plus 3) AC Volts True RMS Accuracy 500 Hz To 1 kHz: plus or minus (2.0 percent plus 3) Resistance Maximum: 40.00 MOhm Resistance Accuracy Low Ranges: plus or minus (0.9 percent plus 1) Diode Test Range: 2.000 V Capacitance Maximum: 9999 uF Capacitance Accuracy 100 To 1000 uF: plus or minus (1.9 percent plus 2) LoZ Capacitance Range: 1 nF to 500 uF Temperature Range Celsius: minus 40 C to 400 C resolution 0.1 C

116 Characteristics / Specifications

PARAMETER	VALUE
Maximum Voltage To Earth	600 V
Safety Rating	IEC 61010 CAT III 600 V Pollution Degree 2
Display Counts	6000 digital updates 4 per second
Bar Graph	33 segments updates 32 per second
Operating Temperature	minus 10 C to 50 C
Storage Temperature	minus 40 C to 60 C
Battery Type	9 V alkaline IEC 6LR61
Battery Life Typical	400 hours without backlight
DC Millivolts Range	600.0 mV resolution 0.1 mV
DC Millivolts Accuracy	plus or minus (0.5 percent plus 2)
DC Volts Ranges	6.000 V 60.00 V 600.0 V
DC Volts Accuracy	plus or minus (0.5 percent plus 2)
AC Volts True RMS Accuracy 45 To 500 Hz	plus or minus (1.0 percent plus 3)
AC Volts True RMS Accuracy 500 Hz To 1 kHz	plus or minus (2.0 percent plus 3)
Resistance Maximum	40.00 MOhm
Resistance Accuracy Low Ranges	plus or minus (0.9 percent plus 1)
Diode Test Range	2.000 V
Capacitance Maximum	9999 uF
Capacitance Accuracy 100 To 1000 uF	plus or minus (1.9 percent plus 2)
LoZ Capacitance Range	1 nF to 500 uF
Temperature Range Celsius	minus 40 C to 400 C resolution 0.1 C
Temperature Accuracy Celsius	plus or minus (1 percent plus 10) excluding probe
AC Microamps Range	600.0 uA resolution 0.1 uA
AC Microamps Accuracy 45 To 500 Hz	plus or minus (1.5 percent plus 3)

PARAMETER	VALUE
DC Microamps Range	600.0 uA resolution 0.1 uA
DC Microamps Accuracy	plus or minus (1.0 percent plus 2)
Frequency Maximum	50.00 kHz
Frequency Accuracy	plus or minus (0.1 percent plus 2)
Size	167 × 84 × 46 mm
Weight	550 g

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 60 C
Operating temperature	minus 10 C to 50 C
Operating Temperature	minus 10 C to 50 C
Battery Type	9 V alkaline IEC 6LR61
Battery Life Typical	400 hours without backlight
DC Millivolts Range	600.0 mV resolution 0.1 mV
DC Millivolts Accuracy	plus or minus (0.5 percent plus 2)
DC Volts Ranges	6.000 V 60.00 V 600.0 V
DC Volts Accuracy	plus or minus (0.5 percent plus 2)
AC Volts True RMS Accuracy 45 To 500 Hz	plus or minus (1.0 percent plus 3)
AC Volts True RMS Accuracy 500 Hz To 1 kHz	plus or minus (2.0 percent plus 3)
Resistance Maximum	40.00 MOhm
Resistance Accuracy Low Ranges	plus or minus (0.9 percent plus 1)
Diode Test Range	2.000 V
Capacitance Maximum	9999 uF
Capacitance Accuracy 100 To 1000 uF	plus or minus (1.9 percent plus 2)
LoZ Capacitance Range	1 nF to 500 uF
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AC Microamps Accuracy 45 To 500 Hz	plus or minus (1.5 percent plus 3)
DC Microamps Range	600.0 uA resolution 0.1 uA
DC Microamps Accuracy	plus or minus (1.0 percent plus 2)
Frequency Maximum	50.00 kHz

PARAMETER	VALUE
Frequency Accuracy	plus or minus (0.1 percent plus 2)
Size	167 × 84 × 46 mm
Weight	550 g Notes From Fluke 116 HVAC Multimeter official technical data / datasheet. Accuracies are plus or minus (percent of reading plus counts) for one year at 18 C to 28 C unless otherwise stated.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

technical data lists CAT III 600 V rating, 6000-count display, DC/AC volts to 600 V, capacitance to 9999 uF, LoZ capacitance, temperature minus 40 C to 400 C, and AC/DC microamps to 600.0 uA.

Applications

HVAC electrical troubleshooting, flame-rod microamp checks, temperature measurements with Type-K thermocouple, LoZ ghost-voltage avoidance, and general voltage resistance capacitance and frequency measurements.

Key Features

Built-in thermometer for HVAC applications

Microamps for flame sensor testing

LoZ to help prevent false readings from ghost voltage

Min Max Average with elapsed time

True-RMS AC measurements

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Maximum Voltage To Earth	600 V
Safety Rating	IEC 61010 CAT III 600 V Pollution Degree 2
Display Counts	6000 digital updates 4 per second
Bar Graph	33 segments updates 32 per second
Operating Temperature	minus 10 C to 50 C
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DC Millivolts Range	600.0 mV resolution 0.1 mV
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DC Volts Ranges	6.000 V 60.00 V 600.0 V
DC Volts Accuracy	plus or minus (0.5 percent plus 2)

AC Volts True RMS Accuracy 45 To 500 Hz: plus or minus (1.0 percent plus 3)

AC Volts True RMS Accuracy 500 Hz To 1 kHz: plus or minus (2.0 percent plus 3)

Specifications

PARAMETER	VALUE
Resistance Maximum	40.00 MOhm
Resistance Accuracy Low Ranges	plus or minus (0.9 percent plus 1)
Diode Test Range	2.000 V

PARAMETER	VALUE
Capacitance Maximum	9999 uF
Capacitance Accuracy 100 To 1000 uF	plus or minus (1.9 percent plus 2)
LoZ Capacitance Range	1 nF to 500 uF
Temperature Range Celsius	minus 40 C to 400 C resolution 0.1 C
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DC Microamps Accuracy	plus or minus (1.0 percent plus 2)
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.