

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 116/62 MAX+ HVAC Technician's Combo Kit

Aumictech offers NIST-traceable calibration and repair for the Fluke 116/62 MAX+. Calibration covers DC voltage accuracy at all ranges, AC voltage (True RMS) accuracy at 50 Hz, 1 kHz, and 10 kHz, DC current accuracy, resistance accuracy at all decade ranges, frequency accuracy, and diode test voltage. Fluke 87V and 289 also include capacitance and temperature calibration.. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1-3 business days after receipt. Common Fluke 116/62 MAX+ faults: blown input fuse, worn input jacks, display segment failure, relay contact wear on bench DMMs. Common faults include worn input jacks (banana socket contact wear on the mA and COM terminals), blown input fuses (especially the 440 mA HRC fuse), and display segment failures. Keithley 2000/2001/2002 bench DMMs commonly develop relay contact wear affecting resistance accuracy a



MODEL

Fluke 116/62 MAX+

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

116/62 MAX+

LISTING

<https://aumictechlabs.com/products/116-62-max-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 116/62 MAX+ HVAC/R Technician's Combo Kit is engineered to equip HVAC technicians with the necessary tools for effective system maintenance and repair. The Fluke 116 Digital Multimeter is optimized for HVAC applications, measuring temperature, microamps for flame sensors, and resistance. The Fluke 62 MAX+ Infrared Thermometer enables quick temperature

scanning of vents, motors, and other components without physical contact, improving safety and efficiency. Together, these tools facilitate thorough diagnostics and reliable results.

Features & description

From manufacturer datasheet

Features

- Kit contents: Fluke 116 HVAC Multimeter + Fluke 62 MAX+ IR Thermometer

Applications

- HVAC electrical troubleshooting (voltage, resistance, capacitance, frequency)

11662MAX Characteristics / Specifications

PARAMETER	VALUE
Model	Fluke 116/62 MAX+ Kit
Manufacturer	Fluke
Instrument Type	HVAC Multimeter and IR Thermometer Combo Kit
Part number	4296018
DMM max voltage terminal to earth	600 V
DMM surge protection	6 kV peak CAT III 600 V Pollution Degree 2
DMM display counts	6000
DMM display update rate	4 per second
DMM bar graph segments	33
DMM bar graph update rate	32 per second
DMM operating temperature	-10 C to +50 C
DMM storage temperature	-40 C to +60 C
DMM battery type	9 V alkaline NEDA 1604A / IEC 6LR61
DMM battery life	400 hours typical without backlight
DMM DC mV range	600.0 mV / 0.1 mV
DMM DC mV accuracy	0.5% + 2
DMM DCVranges	6.000 V / 60.00 V / 600.0 V
DMM DCVaccuracy	0.5% + 2
DMM AutoV range	600.0 V / 0.1 V
DMM AutoV accuracy DC 45 Hz to 500 Hz	2.0% + 3
DMM AutoV accuracy 500 Hz to 1 kHz	4.0% + 3
DMM ACVTrue rms ranges	6.000 V / 60.00 V / 600.0 V
DMM ACVaccuracy 45 Hz to 500 Hz	1.0% + 3
DMM ohms ranges	600.0 Ω to 40.00 M Ω
DMM capacitance ranges	1000 nF to 9999 μ F

PARAMETER	VALUE
DMM LoZ capacitance range	1 nF to 500 µF
DMM Temperature range C	-40 C to 400 C / 0.1 C
DMM Temperature accuracy C	1% + 10
DMM frequency accuracy	0.1% + 2
DMM size	167 mm x 84 mm x 46 mm
DMM weight	550 g
DMM safety	CAT III 600 V
DMM warranty	3 years
IR temperature range	-30 C to 650 C (-22 F to 1202 F)
IR accuracy primary	±1.0 C or ±1.0% of reading whichever greater
IR response time 95%	less than 300 ms
IR spectral response	8 to 14 microns
IR emissivity	0.10 to 1.00
IR optical resolution	12:1 at 90% energy
IR display resolution	0.1 C (0.2 F)
IR battery	AA
IR battery life	8 hours with laser and backlight on
IR weight	255 g
IR size	175 mm x 85 mm x 75 mm
IR IP rating	IP54
IR drop test	3 meters
IR laser safety	FDA and EN 60825 1 Class II Notes Specs from Fluke 116/62 MAX+ Technician's Combo Kit product page. Confirm included accessories (80BK-A probe, leads, cases) for the specific kit revision. DMM AC voltage ranges except AutoV/LoZ specified from 1% to 100% of range per OEM footnote.
Kit contents	Fluke 116 HVAC Multimeter + Fluke 62 MAX+ IR Thermometer
Dual lasers and 12	1 optical resolution on 62 MAX+
Storage temperature	40 C to +60 C

PARAMETER	VALUE
Operating temperature	10 C to +50 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to +60 C
Operating temperature	10 C to +50 C
Operating Temperature	10 C to +50 C
DMM storage temperature	-40 C to +60 C
DMM battery type	9 V alkaline NEDA 1604A / IEC 6LR61
DMM battery life	400 hours typical without backlight
DMM DC mV range	600.0 mV / 0.1 mV
DMM DC mV accuracy	0.5% + 2
DMM DCVranges	6.000 V / 60.00 V / 600.0 V
DMM DCVaccuracy	0.5% + 2
DMM AutoV range	600.0 V / 0.1 V
DMM AutoV accuracy DC 45 Hz to 500 Hz	2.0% + 3
DMM AutoV accuracy 500 Hz to 1 kHz	4.0% + 3
DMM ACVTrue rms ranges	6.000 V / 60.00 V / 600.0 V
DMM ACVaccuracy 45 Hz to 500 Hz	1.0% + 3
DMM ohms ranges	600.0 Ω to 40.00 MΩ
DMM capacitance ranges	1000 nF to 9999 μF
DMM LoZ capacitance range	1 nF to 500 μF
DMM TypeKtemperature range C	-40 C to 400 C / 0.1 C
DMM TypeKtemperature accuracy C	1% + 10
DMM frequency accuracy	0.1% + 2
DMM size	167 mm x 84 mm x 46 mm
DMM weight	550 g
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DMM warranty	3 years

PARAMETER	VALUE
IR temperature range	-30 C to 650 C (-22 F to 1202 F)
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IR drop test	3 meters
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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.

Specifications	
Specifications	
PARAMETER	VALUE
Model	Fluke 116/62 MAX+ Kit
Manufacturer	Fluke
Instrument Type	HVAC Multimeter and IR Thermometer Combo Kit
Specifications	
PARAMETER	VALUE
Part number	4296018
DMM max voltage terminal to earth	600 V
DMM surge protection	6 kV peak CAT III 600 V Pollution Degree 2
Specifications	
PARAMETER	VALUE
DMM display counts	6000
DMM display update rate	4 per second
DMM bar graph segments	33
Specifications	
PARAMETER	VALUE
DMM bar graph update rate	32 per second
DMM operating temperature	-10 C to +50 C
DMM storage temperature	-40 C to +60 C
Specifications	
PARAMETER	VALUE
DMM battery type	9 V alkaline NEDA 1604A / IEC 6LR61
DMM battery life	400 hours typical without backlight
DMM DC mV range	600.0 mV / 0.1 mV

Specifications

PARAMETER	VALUE
DMM DC mV accuracy	0.5% + 2
DMM DCVranges	6.000 V / 60.00 V / 600.0 V
DMM DCVaccuracy	0.5% + 2

DMM AutoV range: 600.0 V / 0.1 V

DMM AutoV accuracy DC 45 Hz to 500 Hz: 2.0% + 3

DMM AutoV accuracy 500 Hz to 1 kHz: 4.0% + 3

Specifications

PARAMETER	VALUE
DMM ACVTrue rms ranges	6.000 V / 60.00 V / 600.0 V
DMM ACVaccuracy 45 Hz to 500 Hz	1.0% + 3
DMM ohms ranges	600.0 Ω to 40.00 M Ω

DMM ohms accuracy to 6 M Ω : 0.9% + 1

DMM capacitance ranges: 1000 nF to 9999 μ F

DMM capacitance accuracy to 1000 μ F: 1.9% + 2

Specifications

PARAMETER	VALUE
DMM LoZ capacitance range	1 nF to 500 μ F
DMM TypeKtemperature range C	-40 C to 400 C / 0.1 C
DMM TypeKtemperature accuracy C	1% + 10

DMM AC μ A True rms range: 600.0 μ A / 0.1 μ A

DMM DC μ A range: 600.0 μ A / 0.1 μ A

DMM μ A accuracy: 1.0% + 2

Specifications

PARAMETER	VALUE
DMM frequency accuracy	0.1% + 2
DMM size	167 mm x 84 mm x 46 mm
DMM weight	550 g

Specifications

PARAMETER	VALUE
DMM safety	CAT III 600 V
DMM warranty	3 years

PARAMETER	VALUE
IR temperature range	-30 C to 650 C (-22 F to 1202 F)

Specifications

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IR accuracy primary	±1.0 C or ±1.0% of reading whichever greater
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PARAMETER	VALUE
IR emissivity	0.10 to 1.00
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IR display resolution	0.1 C (0.2 F)

Specifications

PARAMETER	VALUE
IR battery	AA
IR battery life	8 hours with laser and backlight on
IR weight	255 g

Specifications

PARAMETER	VALUE
IR size	175 mm x 85 mm x 75 mm
IR IP rating	IP54
IR drop test	3 meters

IR laser safety: FDA and EN 60825 1 Class II

Notes

Specs from Fluke 116/62 MAX+ Technician’s Combo Kit product page. Confirm included accessories (80BK-A probe, leads, cases) for the specific kit revision. DMM AC voltage ranges except AutoV/LoZ specified from 1% to 100% of range per OEM footnote.

Laser Safety

laser safety: FDA and EN 60825 1 Class II Notes Specs from Fluke 116/62 MAX+ Technician's Combo Kit product page. Confirm included accessories (80BK-A probe, leads, cases) for the specific kit revision. DMM AC voltage ranges except AutoV/LoZ specified from 1% to 100% of range per OEM footnote.

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

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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.