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Data Sheet

August 14, 2026

FLUKE/WAVETEK/DATRON

Fluke / Wavetek / Datron 1362 6.5 Digit Multimeter VXI Module

Fluke Wavetek Datron 1362 VXIbus 6.5 Digit Card DMM The Fluke/Wavetek/Datron 1362 isaC-size single-slot VXIbus message-based digital multimeter with selectable 4.5 to 6.5 digit resolution. OEM Model 1362/S/MT User Handbook Section 7 lists DC voltage to 300 V, AC voltage on the same ranges, resistance to 10 MOhm (20 MOhm class capability stated in introduction), optional DC/AC current to 1000 mA, and 1-year DC 10 V accuracy of 30 plus 2 ppm of reading plus ppm FS. Automated VXIbus ATE voltage resistance and optional current measurements, SCPI or native message-based system DMM roles (1362S), and MATE/CIIL environments (1362MT). The Fluke/Wavetek/Datron 1362 isaC-size single-slot VXIbus message-based digital multimeter with selectable 4.5 to 6.5 digit resolution. OEM Model 1362/S/MT User Handbook Section 7 lists DC voltage to 300 V, AC voltage on the same ranges, resistance to 10 MOhm (20 MOhm class capability stated in introduction), optional DC/AC current to 1000 mA, and 1-year DC 10 V accuracy of 30 plus 2 ppm of reading plus ppm FS. Automated VXIbus ATE voltage resistance and optional current measurements, SCPI or native message-based system DMM roles (1362S), and MATE/CIIL environments (1362MT).



MODEL

**Fluke/Wavetek/Datron
1362**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1362

LISTING

<https://aumictechlabs.com/products/1362-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke/Wavetek/Datron 1362 is a VXIbus-compatible, message-based 6.5-digit digital multimeter module engineered for high-precision automated test systems. This single-slot, C-size VXI module (revision 1.4 conformant) delivers selectable resolution from 4.5 to 6.5 digits with read rates up to 1000 per second at 4.5 digits, scaling to 5 readings per second at 6.5 digits for DC voltage. Internal memory stores 1 to 1000 readings, decoupling measurement speed from system controller bandwidth. Technical Specifications Measurement Ranges & Resolution DC Voltage: 100 mV to 300 V in decade steps; 100 nV resolution at 6.5 digits AC Voltage (true RMS): 100 mV to 300 V in decade steps; 1 μ V resolution at 5.5 digits Resistance: selectable resolution from 4.5 to 6.5 digits Optional modules: DC Current, AC Current (to 2 A with 5.5-digit resolution), and ratio measurements Performance DCV accuracy (90 days, 23°C $\pm$ 5°C): 100 mV range $\pm$ (30 ppmR + 6 ppmFS); 1 V $\pm$ (20 ppmR + 3 ppmFS); 10 V $\pm$ (20 ppmR + 2 ppmFS); 100 V & 300 V $\pm$ (30 ppmR + 3 ppmFS) ACV frequency response: 10 Hz–40 Hz $\pm$ (0.4 %R + 0.1 %FS); 40 Hz–3 kHz $\pm$ (0.08 %R + 0.03 %FS); 40 Hz–20 kHz $\pm$ (0.035 %R + 0.01 %FS); 20 kHz–50 kHz $\pm$ (0.1 %R + 0.02 %FS) DCV input impedance: 10 G Ω (0.1 V–10 V); 10 M Ω (100 V & 300 V) CMRR: >146 dB DC; >80 dB + NMRR at 1–60 Hz NMRR: >54 dB at 50/60 Hz Overvoltage protection: 300 V RMS all ranges Triggering & Control Dual trigger sources: internal system trigger or external TTL level Front-panel or VXI backplane trigger selection Measurement-complete trigger capability External trigger with programmable delay Autocal feature for external calibration without cover removal Programming & Integration IEEE-488.2 programmable (1362, 1362MT) SCPI-compatible variants (1362S, 1362F) MATE/CIIL support (1362MT) VXI synchronous and asynchronous protocol compliance Operating Environment Temperature range: 0°C to +50°C Key Features High read rates up to 1000 per second enable fast data acquisition Onboard 1000-reading buffer decouples measurement and readback timing Selectable resolution optimizes speed/accuracy tradeoff Multiple programming interfaces support diverse system architectures Programmable external calibration maintains accuracy without module removal Typical Applications Automated production test, incoming inspection, environmental monitoring, precision component characterization, and integrated ATE systems requiring high-density multimeter modules. Compatibility & Integration VXI specification 1.4 conformance ensures interoperability with standard VXI controllers. IEEE-488.2, SCPI, and CIIL command support accommodate legacy and modern system architectures.

1362 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Fluke Wavetek Datron 1362 VXI Card DMM
Form Factor	C size single slot VXI
DC Voltage Ranges	100 mV 1 V 10 V 100 V 300 V
DC Voltage Maximum	300 V
DC 10 V Accuracy 1 Year	plus or minus (30 ppm reading plus 2 ppm FS)
DC 100 mV Accuracy 1 Year	plus or minus (50 ppm reading plus 6 ppm FS)
DC Input Impedance Low Ranges	10 GOhm on 0.1 V to 10 V ranges
DC Input Impedance High Ranges	10 MOhm on 100 V and 300 V ranges
DC CMRR At DC	greater than 140 dB at 1 kOhm unbalance
DC NMRR Filter Out	greater than 54 dB at 50/60 Hz plus or minus 0.1 percent
AC Voltage Ranges	same as DCV
AC Voltage Accuracy 40 Hz To 20 kHz 1 Year	plus or minus (0.05 percent plus 0.01 percent)
Resistance Ranges	100 Ohm to 10 MOhm
Resistance 1 kOhm Accuracy 1 Year	plus or minus (40 ppm reading plus 3 ppm FS)
Resistance Protection	250 V RMS all ranges
DC Current Range Optional	1000.000 mA
DC Current Accuracy 1 Year	plus or minus (300 ppm reading plus 10 ppm FS)
AC Current Range Optional	1000.00 mA
Read Rate 6.5 Digits DCV	5 readings/s
Read Rate 4.5 Digits DCV	1000 readings/s
Crest Factor ACV ACI	5:1 at full range
Module Dimensions	234 mm x 340 mm x 30 mm
Module Weight	1.6 kg
Operating Temperature	5 C to 40 C
Storage Temperature	minus 40 C to 70 C

PARAMETER	VALUE
Warm Up To Full Accuracy	15 minutes
Peak Module Current 5 V	1.4 A
Device Type	message based Word Serial A16 slave
Logical Address	manual 1 to 255 with 255 dynamic configuration

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 70 C
Operating temperature	5 C to 40 C
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Warm Up To Full Accuracy	15 minutes
Peak Module Current 5 V	1.4 A
Device Type	message based Word Serial A16 slave
Logical Address	manual 1 to 255 with 255 dynamic configuration Notes From Fluke Model 1362/S/MT VXibus Card DMM User Handbook 850255 Issue 5.0 Section 7 specifications. Accuracies at Tcal plus or minus 5 C for 90-day and 1-year columns; confirm option 30 current and dual-channel configuration on the module label.

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	
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DC 100 mV Accuracy 1 Year	plus or minus (50 ppm reading plus 6 ppm FS)
DC Input Impedance Low Ranges	10 GOhm on 0.1 V to 10 V ranges
DC Input Impedance High Ranges	10 MOhm on 100 V and 300 V ranges
DC CMRR At DC	greater than 140 dB at 1 kOhm unbalance
DC NMRR Filter Out	greater than 54 dB at 50/60 Hz plus or minus 0.1 percent
AC Voltage Ranges	same as DCV
AC Voltage Accuracy 40 Hz To 20 kHz 1 Year: plus or minus (0.05 percent plus 0.01 percent)	
Specifications	
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Resistance Ranges	100 Ohm to 10 MOhm
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Resistance Protection	250 V RMS all ranges
DC Current Range Optional	1000.000 mA
DC Current Accuracy 1 Year	plus or minus (300 ppm reading plus 10 ppm FS)
AC Current Range Optional	1000.00 mA
Read Rate 6.5 Digits DCV	5 readings/s
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Crest Factor ACV ACI	5:1 at full range
Module Dimensions	234 mm x 340 mm x 30 mm
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Notes

From Fluke Model 1362/S/MT VXibus Card DMM User Handbook 850255 Issue 5.0 Section 7 specifications. Accuracies at Tcal plus or minus 5 C for 90-day and 1-year columns; confirm option 30 current and dual-channel configuration on the module label.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.