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**Data Sheet**

August 14, 2026

FLUKE/WAVETEK/DATRON

# Fluke / Wavetek / Datron 1362S 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  
1362S**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**1362S**

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

**This unit**

The Fluke/Wavetek/Datron 1362S is a 6.5-digit VXI multimeter module engineered for precision measurement within automated test systems. This C-size, single-slot VXIbus card delivers selectable resolution from 4.5 to 6.5 digits across DC voltage, AC voltage, resistance, and current measurements. Read rates reach 1000 readings per second at 4.5-digit resolution, stepping down to 5 readings/sec at 6.5-digit resolution for DC voltage. The module stores measurement blocks of 1 to 1000 readings and supports both front-panel and VXI backplane triggering via synchronous and asynchronous protocols. Programming is handled through SCPI-compatible commands over IEEE-488.2 interfaces, enabling seamless integration into complex test architectures.

**Technical Specifications**

**Measurement Resolution & Speed** Resolution: 4.5 to 6.5 digits (selectable); up to 6.5 digits for DC voltage and resistance; 5.5 digits for AC current and AC voltage Read Rate: Up to 1000 readings/sec at 4.5-digit resolution; 5 readings/sec at 6.5-digit resolution (DC voltage) Data Storage: 1 to 1000 readings per block at high read rates DC Voltage (DCV) Ranges: 100 mV to 300 V (decade steps) Resolution: 1  $\mu$ V (5.5 digits), 100 nV (6.5 digits) Input Impedance: 10 G $\Omega$  (0.1–10 V ranges); 10 M $\Omega$  (100–300 V ranges) CMRR: > 146 dB at DC; > 80 dB + NMRR at 1–60 Hz NMRR: > 54 dB at 50/60 Hz; adds 20 dB with filter enabled Overvoltage Protection: 300 V RMS (all ranges) Accuracy (90 days, 23°C  $\pm$  5°C): 100 mV range  $\pm$  (30 ppmR + 6 ppmFS); 10 V range  $\pm$  (20 ppmR + 2 ppmFS); 300 V range  $\pm$  (30 ppmR + 3 ppmFS) True RMS AC Voltage (ACV) Ranges: 100 mV to 300 V (decade steps) Resolution: 1  $\mu$ V (5.5 digits) Input Impedance: 1 M $\Omega$  / 100 pF CMRR: > 80 dB (DC to 60 Hz) Crest Factor: 5:1 at full range Overvoltage Protection: 300 V RMS (all ranges) Accuracy (90 days, 23°C  $\pm$  5°C): 10–40 Hz  $\pm$  (0.4%R + 0.1%FS); 40 Hz–20 kHz  $\pm$  (0.035%R + 0.01%FS); 300 kHz–1 MHz  $\pm$  (2%R + 1%FS) Resistance ( $\Omega$ ) Ranges: 100  $\Omega$  to 10 M $\Omega$  (decade steps) Resolution: 10  $\mu\Omega$  (6.5 digits) Maximum Lead Resistance: 100  $\Omega$  (any or all leads) Accuracy (90 days, 23°C  $\pm$  5°C): 100  $\Omega$  range  $\pm$  (35 ppmR + 6 ppmFS); 10 k $\Omega$  range  $\pm$  (30 ppmR + 3 ppmFS); 10 M $\Omega$  range  $\pm$  (200 ppmR + 4 ppmFS) Integration & Control VXI Conformance: VXI specification revision 1.4 Programming: SCPI-compatible, IEEE-488.2 Triggering: Front-panel or VXI backplane (synchronous and asynchronous) Calibration: Programmable external calibration (covers-on) Typical Applications Automated component testing, precision voltage and resistance validation, high-speed data acquisition in production test environments, and integration into rack-mounted VXI test systems requiring traceable measurement standards. Compatibility & Integration The 1362S operates as a C-size VXI module compatible with standard VXIbus architectures. SCPI command language ensures cross-platform software integration, while dual triggering modes support synchronized multi-module measurement sequences.

## 1362S 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                                                                                                                                                                                                                                                                                                |
| Operating Temperature    | 5 C to 40 C                                                                                                                                                                                                                                                                                                |
| 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                                                                             |                                                          |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 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) |                                                          |
| Specifications                                                                             |                                                          |
| PARAMETER                                                                                  | VALUE                                                    |
| 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                                                   |

| PARAMETER                | VALUE                                          |
|--------------------------|------------------------------------------------|
| Operating Temperature    | 5 C to 40 C                                    |
| Storage Temperature      | minus 40 C to 70 C                             |
| 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.

### Available from Aumictech

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

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

#### Aumictech

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