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Data Sheet

August 14, 2026

FLUKE / WAVETEK

Fluke / Wavetek 1361 4.5 to 6.5 Digit Multimeter

Fluke Wavetek 1361 4.5 To 6.5 Digit Multimeter The Fluke/Wavetek 1361 is a programmable digital multimeter in the Wavetek VXI/system DMM family offering selectable resolution from 4.5 to 6.5 digits. ArtisanTG and Wavetek family listings identify it as a 4.5 to 6.5 digit multimeter aligned with the Datron/Wavetek high-performance card DMM product line used alongside the 1362 VXI module. Automated voltage and resistance measurements in system ATE, calibration support where 4.5 to 6.5 digit resolution is required, and Wavetek/Fluke modular DMM racks. The Fluke/Wavetek 1361 is a programmable digital multimeter in the Wavetek VXI/system DMM family offering selectable resolution from 4.5 to 6.5 digits. ArtisanTG and Wavetek family listings identify it as a 4.5 to 6.5 digit multimeter aligned with the Datron/Wavetek high-performance card DMM product line used alongside the 1362 VXI module. Automated voltage and resistance measurements in system ATE, calibration support where 4.5 to 6.5 digit resolution is required, and Wavetek/Fluke modular DMM racks.

**MODEL****Fluke / Wavetek
1361****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****1361****LISTING**<https://aumictechlabs.com/products/1361-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke/Wavetek 1361 is a VXI-based 6.5-digit digital multimeter engineered for high-precision automated measurements in test systems. This single-width C-size VXI module delivers programmable resolution from 4.5 to 6.5 digits with read rates up to 1000 readings per second, making it suitable for rapid characterization and production testing. Core measurement functions

include DC voltage, AC voltage to 1000 Vrms, and resistance, with optional DC and AC current modules rated to 2 amperes. An internal data store buffers 1 to 1000 readings for continuous high-speed acquisition independent of system controller bandwidth. Technical Specifications

Resolution: Programmable 4.5 to 6.5 digits Read Rate: Up to 1000 readings/second Measurement Functions: DCV, ACV (1000 Vrms), Ohms; optional DCI/ACI (2 A max) Internal Data Store: 1–1000 readings Common Mode Rejection Ratio: >146 dB Normal Mode Rejection: >20 dB Line Frequency Rejection: >54 dB at 50 Hz, 60 Hz, or 400 Hz (programmable) VXI Compliance: Specification 1.4 Form Factor: Single-width C-size card, VXI backplane powered Key Features Floating input channel design isolates measurements from system ground Dual trigger modes support internal system triggers and external TTL signals Switchable active filters and digital filtering suppress AC line noise SCPI-compatible command language integrates into automated test environments VXI backplane connectivity provides power and trigger distribution Typical Applications Precision DC and AC voltage characterization in production test Automated resistance and impedance measurement High-speed transient capture with internal buffering Multi-unit system integration via VXI backplane architecture Compatibility & Integration The 1361 operates within VXIbus systems conforming to specification 1.4. SCPI command compatibility enables straightforward integration into existing test software and control frameworks. VXI backplane triggers enable deterministic measurement synchronization across multi-module systems.

1361 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Fluke Wavetek 1361
Resolution Digits Selectable	4.5 to 6.5
Primary Functions Class	DC voltage AC voltage resistance
Related Family Module	Wavetek Datron 1362 VXI Card DMM
DC Voltage Capability Class Shared With 13	five ranges to 300 V class
AC Voltage Capability Class Shared With 13	five ranges to 300 V class
Resistance Capability Class Shared With 13	six ranges to 20 MOhm class
Overrange Class Shared	100 percent on ranges except 300 V class
Form Factor Class	system / VXI family DMM
Programming Class	IEEE 488.2 / system bus class
Calibration Class	covers-on autocal class on family
Warm Up Class	15 minutes class per 1362 family handbook
Operating Temperature Class	5 C to 40 C class per 1362 family
Storage Temperature Class	minus 40 C to 70 C class per 1362 family
Altitude Class	up to 2000 m class per 1362 family
Pollution Degree Class	2 indoor use class
Safety Design Class	UL1244 IEC 348 BS EN61010-1 class
Display Digits Maximum	6.5
Series Manufacturer Branding	Fluke Wavetek
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Interval Class	1 year class
Documentation	operating manual required for fine limits
Identity Verified Against Family Literature	yes

PARAMETER	VALUE
Measurement Categories Class	per installed configuration label
Storage temperature	Class: minus 40 C to 70 C class per 1362 family
Operating temperature	Class: 5 C to 40 C class per 1362 family

1361 Specifications

PARAMETER	VALUE
Fluke Wavetek 1361 4.5 To 6.5 Digit Multimeter	Overview
Key Features	Selectable 4.5 to 6.5 digit resolution class
Technical Specifications	Instrument Family: Fluke Wavetek 1361

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 70 C class per 1362 family
Operating temperature	Class: 5 C to 40 C class per 1362 family
Operating Temperature	Class: 5 C to 40 C class per 1362 family
Operating Temperature Class	5 C to 40 C class per 1362 family
Storage Temperature Class	minus 40 C to 70 C class per 1362 family
Altitude Class	up to 2000 m class per 1362 family
Pollution Degree Class	2 indoor use class
Safety Design Class	UL1244 IEC 348 BS EN61010-1 class
Display Digits Maximum	6.5
Series Manufacturer Branding	Fluke Wavetek
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Interval Class	1 year class
Documentation	operating manual required for fine limits
Identity Verified Against Family Literature	yes
Measurement Categories Class	per installed configuration label Notes Identity and family capability rows from Fluke/Wavetek 1361 product listings cross-checked to Datron/Wavetek 1362 VXI DMM handbook measurement envelope. Prefer matching the exact 1361 configuration sticker for accredited uncertainty; do not assume 1362 ppm tables apply without the 1361 datasheet row.

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.

performance card DMM product line used alongside the 1362 VXI module.

Applications

Automated voltage and resistance measurements in system ATE, calibration support where 4.5 to 6.5 digit resolution is required, and Wavetek/Fluke modular DMM racks.

Key Features

Selectable 4.5 to 6.5 digit resolution class

System programmable multimeter architecture

Voltage and resistance measurement class per family

Compatible with Wavetek Datron system DMM workflows

Autocalibration class on family platforms

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	Fluke Wavetek 1361
Resolution Digits Selectable	4.5 to 6.5
Primary Functions Class	DC voltage AC voltage resistance
Related Family Module	Wavetek Datron 1362 VXI Card DMM
DC Voltage Capability Class Shared With 1362	five ranges to 300 V class
AC Voltage Capability Class Shared With 1362	five ranges to 300 V class
Resistance Capability Class Shared With 1362	six ranges to 20 MOhm class
Overrange Class Shared	100 percent on ranges except 300 V class
Form Factor Class	system / VXI family DMM
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Display Digits Maximum	6.5
Series Manufacturer Branding	Fluke Wavetek

PARAMETER	VALUE
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Interval Class	1 year class
Documentation	operating manual required for fine limits
Identity Verified Against Family Literature	yes

Option Codes: confirm on faceplate

Measurement Categories Class: per installed configuration label

Notes

Identity and family capability rows from Fluke/Wavetek 1361 product listings cross-checked to Datron/Wavetek 1362 VXI DMM handbook measurement envelope. Prefer matching the exact 1361 configuration sticker for accredited uncertainty; do not assume 1362 ppm tables apply without the 1361 datasheet row.

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.