

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) E2378A Rugged Handheld Multimeter, 3.5 Digit

Keysight (Agilent) E2378A Rugged Handheld Multimeter, 3.5 Digit The Keysight (Agilent) E2378A (E2378A) is a rugged handheld digital multimeter with a 3.5-digit (3200-count) display, originally from the Hewlett-Packard product line. It measures DC/AC voltage, DC/AC current, resistance, continuity, diode test, and K-type thermocouple temperature. The instrument is battery operated (2 × AAA) in a compact handheld enclosure suited for field service and maintenance. The E2378A is an obsolete product; confirm ranges and accuracy against the OEM manual for critical measurements. The Keysight (Agilent) E2378A (E2378A) is a rugged handheld digital multimeter with a 3.5-digit (3200-count) display, originally from the Hewlett-Packard product line. It measures DC/AC voltage, DC/AC current, resistance, continuity, diode test, and K-type thermocouple temperature. The instrument is battery operated (2 × AAA) in a compact handheld enclosure suited for field service and maintenance. The E2378A is an obsolete product; confirm ranges and accuracy against the OEM manual for critical measurements. Field service and maintenance in demanding environments; portable voltage, current, and resistance checks; continuity and diode testing; K-type thermocouple temperature measurement on equipment and wiring.



MODEL

**Keysight / Agilent
E2378A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E2378A

LISTING

<https://aumictechlabs.com/products/e2378a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E2378A is a rugged handheld multimeter engineered for field service, maintenance, and industrial troubleshooting in demanding environments. This 3.5-digit instrument delivers precision measurements across DC/AC voltage, current, resistance, continuity, and diode testing with a 3200-count digital display paired with a 32-segment analog bar graph. Auto-ranging and manual hold modes accommodate diverse measurement scenarios, while an audible continuity beep and data hold function enhance workflow efficiency. Built for durability, the meter features overvoltage protection to 1000 V, splash-resistant construction, and extended battery life for extended field operations. A one-year calibration cycle supports metrological compliance in professional service environments.

Technical Specifications

Display: 3.5-digit LCD, 3200 count with 32-segment analog bar graph

Sampling Rate: Digital display ~2 times/second; analog bar graph ~12 times/second

DC Voltage: 0.1 mV to 1000 V (100 μ V resolution); 0.3% basic accuracy

AC Voltage: 0.1 mV to 750 V (1 mV resolution); 1% basic accuracy; 1 kHz bandwidth

DC Current: 0.1 μ A to 10 A (100 nA resolution)

AC Current: 0.1 μ A to 10 A (100 nA resolution)

Resistance: 0.1 Ω to 30 M Ω (0.1 Ω resolution); 0.7% basic accuracy

Continuity: Audible beep at <50 Ω

Diode Test: Included

Overvoltage Protection: 1000 V

Display Annunciators: Function, low-battery, and overload indicators

Key Features

- Auto-ranging or manual range hold selection
- Data hold function for measurement capture
- Compact, lightweight design for one-handed operation
- Long-lasting battery with low-battery indication
- Simple, intuitive control layout

Typical Applications

- Field service and on-site diagnostics
- Industrial maintenance and troubleshooting
- Electrical system commissioning and verification
- Harsh-environment equipment testing

Compatibility & Integration

Operates independently as a portable, battery-powered instrument

Features & description

From manufacturer datasheet

Features

- Rugged handheld 3.5-digit (3200-count) DMM
- DC voltage to 1000 V
- AC voltage to 750 V (40 Hz to 1 kHz)
- DC/AC current to 10 A
- Resistance to 30 M Ω
- Continuity beep below about 20 Ω
- Diode test
- K-type thermocouple -20 °C to 700 °C
- Battery powered (2 × AAA)

E2378A Characteristics / Specifications

PARAMETER	VALUE
Model	E2378A
Manufacturer	Keysight Technologies (Agilent; Hewlett-Packard lineage)
Instrument Type	Rugged handheld digital multimeter
Display	3.5 digit / 3200 count LCD
DC Voltage	300 mV to 1000 V (accuracy class about 0.3% to 0.4% on published ranges)
AC Voltage	3 V to 750 V, 40 Hz to 1 kHz (about 2% class)
DC Current	300 μ A to 10 A (about 1.5% class)
AC Current	300 μ A to 10 A (about 2% class)
Resistance	300 Ω to 30 M Ω (about 0.7% to 2% class)
Continuity	audible beep below about 20 Ω
Diode Test	supported
Temperature	K thermocouple, -20 $^{\circ}$ C to 700 $^{\circ}$ C (about 2% class)
Power	2 $\times$ 1.5 V AAA batteries
Dimensions	about 89 $\times$ 186 $\times$ 45 mm
Weight	about 0.425 kg Standard Operating Conditions Use within rated measurement ranges and fuse limits. Replace AAA batteries when display dimming or low-battery indication occurs. Observe safety category and probe ratings for the voltage environment.
E2378A is obsolete	verify calibration and probe/fuse condition before relying on accuracy-critical readings. Related sibling E2377A exists in the same HP handheld DMM family. Consult OEM manual for exact range tables and safety ratings.

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	E2378A
Manufacturer	Keysight Technologies (Agilent; Hewlett-Packard lineage)
Instrument Type	Rugged handheld digital multimeter
Display	3.5 digit / 3200 count LCD
DC Voltage	300 mV to 1000 V (accuracy class about 0.3% to 0.4% on published ranges)
AC Voltage	3 V to 750 V, 40 Hz to 1 kHz (about 2% class)
DC Current	300 µA to 10 A (about 1.5% class)
AC Current	300 µA to 10 A (about 2% class)
Resistance	300 Ω to 30 MΩ (about 0.7% to 2% class)
Continuity	audible beep below about 20 Ω
Diode Test	supported
Temperature	K thermocouple, -20 °C to 700 °C (about 2% class)
Power	2 × 1.5 V AAA batteries
Dimensions	about 89 × 186 × 45 mm
Weight	about 0.425 kg

Standard Operating Conditions

Use within rated measurement ranges and fuse limits. Replace AAA batteries when display dimming or low-battery indication occurs. Observe safety category and probe ratings for the voltage environment.

Operational Notes

E2378A is obsolete—verify calibration and probe/fuse condition before relying on accuracy-critical readings. Related sibling E2377A exists in the same HP handheld DMM family. Consult OEM manual for exact range tables and safety ratings.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 2, 2026

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