

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U1273AX Handheld Digital Multimeter OLED (Extreme Temp)

Agilent Keysight U1273AX OLED Handheld Digital Multimeter The Agilent/Keysight U1273AX is the cold-rated OLED U1270 Series meter specified for operation down to minus 40 C with lithium batteries and no warm-up. OEM comparison tables match U1273A measurement functions with the extended operating temperature and lithium battery life options. Outdoor winter utility work, wind-farm altitude measurements to 3000 m, and industrial diagnostics in sub-zero ambient temperatures. Basic DCV Accuracy: 0.05 percent plus 2 counts The Agilent/Keysight U1273AX is the cold-rated OLED U1270 Series meter specified for operation down to minus 40 C with lithium batteries and no warm-up. OEM comparison tables match U1273A measurement functions with the extended operating temperature and lithium battery life options. Outdoor winter utility work, wind-farm altitude measurements to 3000 m, and industrial diagnostics in sub-zero ambient temperatures. Basic DCV Accuracy: 0.05 percent plus 2 counts DC Voltage Accuracy 30 V To 1000 V: 0.05 percent plus 2 counts



MODEL

**Agilent / Keysight
U1273AX**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U1273AX

LISTING

<https://aumictechlabs.com/products/u1273ax-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U1273AX is a rugged, handheld digital multimeter designed for demanding industrial environments, offering True RMS measurements and a 30,000-count resolution. It features an OLED display for clear readability in various lighting conditions and is built to withstand extreme temperatures and harsh weather. The U1273AX is equipped with a range of measurement functions and intelligent features to enhance productivity and safety.

Technical Specifications

****General Measurement Capabilities:****

- **Display:**** OLED with 2000:1 contrast ratio and 160° wide viewing angle.
- **Display Count:**** 30,000 counts (4.5 digits).
- **True RMS:**** Yes (AC+DC measurements).
- **Functions:**** DC Voltage, AC Voltage, DC Current, AC Current, Resistance, Capacitance, Frequency, Diode Test, Continuity Test, Temperature.
- **Auto Ranging:**** Yes.
- **Manual Ranging:**** Yes.

****Electrical Specifications:****

- **DC Voltage:**** Range: 30 mV to 1000 V. Basic Accuracy: 0.05% + 2 counts.
- **AC Voltage:**** Range: Up to 1000 V. Basic Accuracy: 0.7% + 20 counts.
- **DC Current:**** Range: Up to 10 A. Basic Accuracy: 0.3% + 10 counts.
- **AC Current:**** Range: Up to 10 A (20 A for 30 seconds). Basic Accuracy: 1.0% + 25 counts.
- **Resistance:**** Range: Up to 100 MOhms.
- **Capacitance:**** Range: 0.01 µF to 10,000 µF.
- **Frequency:**** Range: 99.999 Hz to 999.99 kHz.
- **Temperature:**** Measurement capability for J and K-Type thermocouples.

****Advanced Features:****

- **Low Pass Filter (LPF):**** 1 kHz LPF for accurate Variable Frequency Drive (VFD) output measurements, eliminating high-frequency noise and harmonics.
- **Low Impedance Mode (ZLOW):**** Dissipates stray voltages to eliminate false readings and improve safety.
- **Smart Ohm:**** Minimizes false readings due to leakage current.
- **Peak Detect:**** Captures transients as fast as 250 µs, suitable for motor startup.
- **Min/Max Recording:**** Records minimum and maximum readings.
- **Hold Function:**** Freezes the present reading.
- **Null Function:**** Allows for reference measurements.
- **Scale Function:**** Adjusts displayed readings.
- **Continuity Indication:**** Both visual (backlight) and audible alerts for continuity.
- **Overvoltage Protection:**** CAT III 1000V and CAT IV 600V.

****Data Logging and Connectivity:****

- **Internal Logging Memory:**** 10,000 points.
- **PC Connectivity:**** Via optional IR-to-USB cable (e.g., U1173A).
- **Bluetooth Connectivity:**** Optional via U1177A or U1117A Bluetooth adapter, compatible with Keysight Mobile Meter and Mobile Logger applications for iOS and Android devices.

Environmental and Physical Characteristics

- **Operating Temperature:**** Down to -40°C (suitable for extreme weather).
- **Operating Altitude:**** Up to 3000 meters (3 km) above sea level.
- **Ingress Protection:**** IP54 rated for water and dust resistance.
- **Durability:**** Rugged design for demanding industrial applications.
- **Ergonomics:**** Non-slip, ergonomic shape for comfortable handling, with gloves on or off.
- **Display Readability:**** OLED display with high contrast and wide viewing angles, suitable for poorly lit environments.

Compatibility

- **Power Source:**** Four 1.5 V AAA batteries.
- **Software:**** Keysight GUI Data Logger Software, Keysight Mobile Meter and Mobile Logger applications (iOS/Android) when using Bluetooth adapter.
- **Accessories:**** Compatible with optional U1177A/U1117A Bluetooth adapter, U1173A IR-USB cable, K-type thermocouple and adapter.

Why Choose Aumictech for Keysight U1273AX?

At Aumictech, we specialize in supplying high-end electrical test and measurement equipment. Whether you need accurate readings in extreme environments, reliable troubleshooting of industrial systems, or solid connectivity for data logging, our team ensures the Keysight U1273AX delivers maximum performance for your application.

U1273AX Characteristics / Specifications

PARAMETER	VALUE
Display Resolution	30000 counts
Basic DCV Accuracy	0.05 percent plus 2 counts
DC Voltage Ranges	30 mV to 1000 V
DC Voltage Accuracy 30 V To 1000 V	0.05 percent plus 2 counts
Maximum Voltage AC Or DC	1000 V
Current Maximum Continuous	10 A
Current Maximum Short	20 A for 30 s
AC Bandwidth	100 kHz
Resistance Maximum	300 MOhm
True RMS Mode	AC plus DC
Low Pass Filter	1 kHz LPF for VFD measurements
Peak Detection	up to 250 us
Measurement Rate Voltage Current	7 readings per second
Logging Memory Points	10000
Safety Category	CAT III 1000 V / CAT IV 600 V
Ingress Protection	IP54
Operating Altitude Maximum	3000 m
Operating Temperature	minus 40 C to 55 C with lithium batteries
Battery Type	4 × 1.5 V AAA alkaline or lithium
Battery Life Typical	50/100 hours lithium High/Low brightness
Fuse Current Path	11 A / 1000 V 30 kA fast acting
Fuse mA Path	440 mA / 1000 V 30 kA fast acting
Display Type	OLED maximum reading 33000 counts
Bandwidth	100 kHz

U1273AX Specifications

PARAMETER	VALUE
Applications	Outdoor winter utility work, wind-farm altitude measurements to 3000 m, and industrial diagnostics in sub-zero ambient temperatures.
Key Features	Operating temperature to minus 40 C
OLED display without warm up delay	ZLOW and Smart Ohm
AC plus DC true RMS	IP54 sealed industrial case
Technical Specifications	Display Resolution: 30000 counts

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	and lithium battery life options.
Operating Temperature	and lithium battery life options.
Display Resolution	30000 counts
Basic DCV Accuracy	0.05 percent plus 2 counts
DC Voltage Ranges	30 mV to 1000 V
DC Voltage Accuracy 30 V To 1000 V	0.05 percent plus 2 counts
Maximum Voltage AC Or DC	1000 V
Current Maximum Continuous	10 A
Current Maximum Short	20 A for 30 s
AC Bandwidth	100 kHz
Resistance Maximum	300 MOhm
True RMS Mode	AC plus DC
Low Pass Filter	1 kHz LPF for VFD measurements
Peak Detection	up to 250 us
Measurement Rate Voltage Current	7 readings per second
Logging Memory Points	10000
Safety Category	CAT III 1000 V / CAT IV 600 V
Ingress Protection	IP54
Operating Altitude Maximum	3000 m
Battery Type	4 × 1.5 V AAA alkaline or lithium
Battery Life Typical	50/100 hours lithium High/Low brightness
Fuse Current Path	11 A / 1000 V 30 kA fast acting
Fuse mA Path	440 mA / 1000 V 30 kA fast acting
Display Type	OLED maximum reading 33000 counts Notes From Keysight/Agilent U1270 Series Handheld Digital Multimeters data sheet (5990-6425). Model-specific rows match the Basic Features comparison table.

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
Display Resolution	30000 counts
Basic DCV Accuracy	0.05 percent plus 2 counts
DC Voltage Ranges	30 mV to 1000 V
DC Voltage Accuracy 30 V To 1000 V: 0.05 percent plus 2 counts	
Specifications	
PARAMETER	VALUE
Maximum Voltage AC Or DC	1000 V
Current Maximum Continuous	10 A
Current Maximum Short	20 A for 30 s
AC Bandwidth	100 kHz
Resistance Maximum	300 MOhm
True RMS Mode	AC plus DC
Low Pass Filter	1 kHz LPF for VFD measurements
Peak Detection	up to 250 us
Measurement Rate Voltage Current	7 readings per second
Logging Memory Points	10000
Safety Category	CAT III 1000 V / CAT IV 600 V
Ingress Protection	IP54
Operating Altitude Maximum	3000 m
Operating Temperature	minus 40 C to 55 C with lithium batteries
Battery Type	4 x 1.5 V AAA alkaline or lithium
Battery Life Typical	50/100 hours lithium High/Low brightness
Fuse Current Path	11 A / 1000 V 30 kA fast acting
Fuse mA Path	440 mA / 1000 V 30 kA fast acting
Display Type	OLED maximum reading 33000 counts

Notes

From Keysight/Agilent U1270 Series Handheld Digital Multimeters data sheet (5990-6425). Model-specific rows match the Basic Features comparison table.

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 14, 2026

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