

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

KEYSIGHT

Keysight U1733C Handheld LCR Meter

The Keysight U1733C is the top model in the U1730C Series handheld LCR meters with 20,000-count resolution, 0.2% basic accuracy, and test frequencies of 100 Hz, 120 Hz, 1 kHz, 10 kHz, and 100 kHz. It adds DCR measurement versus U1732C, plus Z/L/C/R/D/Q/θ/ESR, Auto Identification, backlight, and IR-to-USB logging. Battery life up to 16 hours. Field/bench component sorting including 100 kHz electrolytics; ESR and DCR checks; production incoming inspection. Capacitance: 20 pF class through 20 mF (frequency-dependent) Inductance: 20 μH through 2000 H (frequency-dependent) Accuracy tables: per U1730C datasheet 5990-7778EN (0.2% + counts on mid ranges) U1733C uniquely adds 100 kHz and DCR vs U1732C. Prefer Keysight U1730C datasheet.

No photo

MODEL

Keysight U1733C

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

U1733C

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Resolution: 20,000 counts; basic accuracy 0.2% • Frequencies: 100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz • Measurements: Z/L/C/R/D/Q/θ/ESR/DCR • Ai auto identification; tolerance 1/5/10/20% • Backlight; Data Hold; Min/Max/Avg • IR-to-USB PC logging; 9 V battery ~16 h

U1733C Characteristics / Specifications

PARAMETER	VALUE
Model	U1733C
Manufacturer	Keysight Technologies
Instrument Type	Handheld LCR Meter
Family	U1730C Series
Alias	U1733C; Agilent U1733C Test Signal
Frequencies	100 Hz; 120.481 Hz; 1 kHz; 10 kHz; 100 kHz
Levels	~0.74 Vrms (lower freqs); ~0.70 Vrms (10/100 kHz); DCR +1.235 V
Measurement Rate	1/s nominal Ranges (family)
Resistance	2 Ω to 200 MΩ class
Capacitance	20 pF class through 20 mF (frequency-dependent)
Inductance	20 μH through 2000 H (frequency-dependent)
Accuracy tables	per U1730C datasheet 5990-7778EN (0.2% + counts on mid ranges) General
Display	Primary 19,999; Secondary 999
Weight	337 g; Size: 184 × 87 × 41 mm
Operating	−10 to 55 °C Operational Notes U1733C uniquely adds 100 kHz and DCR vs U1732C. Prefer Keysight U1730C datasheet.
Resolution	20,000 counts; basic accuracy 0.2%
Measurements	Z/L/C/R/D/Q/θ/ESR/DCR

U1733C Specifications

PARAMETER	VALUE
Keysight U1733C Handheld LCR Meter	Overview
Applications	Field/bench component sorting including 100 kHz electrolytics; ESR and DCR checks; production incoming inspection.
Key Features	- Resolution: 20,000 counts; basic accuracy 0.2%
Technical Specifications	Model: U1733C
Test Signal	Frequencies: 100 Hz; 120.481 Hz; 1 kHz; 10 kHz; 100 kHz
Ranges (family)	Resistance: 2 Ω to 200 MΩ class
General	Display: Primary 19,999; Secondary 999
Operational Notes	U1733C uniquely adds 100 kHz and DCR vs U1732C. Prefer Keysight U1730C datasheet.

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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Operational Notes

U1733C uniquely adds 100 kHz and DCR vs U1732C. Prefer Keysight U1730C datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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>

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30-day returns
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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.