

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 6, 2026

KEITHLEY

Keithley 595 Quasistatic CV Meter

The Keithley 595 Quasistatic C-V Meter measures quasistatic capacitance using a feedback-charge (Q-V) method that corrects for background leakage. Capacitance 10 fF–20 nF (ranges 200 pF / 2 nF / 20 nF); DC current as sensitive picoammeter from 1 fA. Built-in ± 20 V source with DC, staircase, and squarewave bias. IEEE-488 with plotter driver for CV/IV curves. Warm-up 2 hours to rated accuracy. MIS/MOS quasistatic C-V; semiconductor materials; leakage-corrected capacitance; picoamp I-V.

No photo

MODEL

Keithley 595

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

595

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

- Capacitance: 10 fF–20 nF; ranges 200 pF (10 fF), 2 nF (100 fF), 20 nF (1 pF) • Current: 1 fA–200 μ A class picoammeter function • Voltage source: –20.00 to +20.00 V in 0.01 V steps; $\pm(0.2\% + 10 \text{ mV})$ 1-year • Max source current: $\pm 2 \text{ mA}$; limit $< 4 \text{ mA}$ • Waveforms: OFF, DC, STEP staircase, squarewave • Step V: 0.01 / 0.02 / 0.05 / 0.10 V; delay 0.07–199.99 s • Q/t monitoring of non-equilibrium/leakage during Cmeasurement • Selectable capacitance correction for error currents • IEEE-488; plotter driver for labeled CV/IV grids • Input bias current: $< 10 \text{ fA}$ after 2 h; $< 5 \text{ fA}$ after 8 h at 23 °C

595 Characteristics / Specifications

PARAMETER	VALUE
Model	595
Manufacturer	Keithley Instruments
Instrument Type	Quasistatic C-V Meter
Alias	595; Keithley 595 C / V / I 10 fF–20 nF; ± 20 V source; 1 fA current class Operational Notes Prefer Keithley 595 datasheet / reference guide 595-903.
Capacitance	10 fF–20 nF; ranges 200 pF (10 fF), 2 nF (100 fF), 20 nF (1 pF)
Current	1 fA–200 μ A class picoammeter function
Voltage source	–20.00 to +20.00 V in 0.01 V steps; $\pm(0.2\% + 10 \text{ mV})$ 1-year
Max source current	± 2 mA; limit <4 mA
Waveforms	OFF, DC, STEP staircase, squarewave
Step V	0.01 / 0.02 / 0.05 / 0.10 V; delay 0.07–199.99 s
Input bias current	<10 fA after 2 h; <5 fA after 8 h at 23 °C

595 Specifications

PARAMETER	VALUE
Keithley 595 Quasistatic CV Meter	Overview
Key Features	- Capacitance: 10 fF–20 nF; ranges 200 pF (10 fF), 2 nF (100 fF), 20 nF (1 pF)
Technical Specifications	Model: 595
C / V / I	10 fF–20 nF; ±20 V source; 1 fA current class
Operational Notes	Prefer Keithley 595 datasheet / reference guide 595-903.

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	595
Manufacturer	Keithley Instruments
Instrument Type	Quasistatic C-V Meter
Alias	595; Keithley 595

C / V / I

10 fF-20 nF; ±20 V source; 1 fA current class

Operational Notes

Prefer Keithley 595 datasheet / reference guide 595-903.

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

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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.