

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEITHLEY

Keithley 2000-20 E 6.5 Digital Multimeter at 220V

Keithley Laboratory Measurement Instruments. Resolution: 6.5 digits, Voltage: 100 μ V to 1000 V, Current: 10 nA to 3 A.



MODEL

**Keithley 2000-20
E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

2000-20 E

LISTING

<https://aumictechlabs.com/products/2000-20-e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2000-20 E 6.5 Digital Multimeter at 220V is a high-resolution measurement instrument combining a 6.5-digit multimeter with an integrated 20-channel scanner card for multi-point data acquisition. It delivers 0.002% basic accuracy on DC voltage measurements and supports a full suite of electrical measurements including voltage, current, resistance, frequency, temperature, and diode testing. The instrument achieves up to 2000 readings/second at 4.5-digit resolution with internal buffering, or 50 triggered readings/second at full 6.5-digit resolution over IEEE-488 GPIB. The 20-channel scanner employs latching electromechanical relays with <3.5 ms actuation time and supports both 2-pole (20 channels) and 4-pole (10 channels) switching configurations. Designed for research, development, and production environments requiring synchronized multi-channel measurement capability. Technical Specifications Multimeter Core Resolution: 6.5 digits DC Voltage: 100 μ V to 1000 V DC Current: 10 nA to 3 A Resistance (2-wire/4-wire): 100 $\mu\Omega$ to 100 M Ω Frequency measurement: up to 100 kHz maximum Basic accuracy (DCV): 0.002% (90-day) Measurement speed: up to 2000 readings/second at 4.5 digits; 50 triggered

readings/second at 6.5 digits over IEEE-488 20-Channel Scanner Card Switching configurations: 2-pole (20 channels) or 4-pole (10 channels) Relay type: Latching electromechanical Actuation time: <3.5 ms Maximum scanner rate: up to 90 channels/second (DCV) DC signal handling: up to 60 V DC, 0.5 A switched, 30 VA maximum (resistive load) AC signal handling: up to 30 V AC rms (42.4 V AC peak), 100 kHz maximum, 0.5 A switched, 15 VA maximum Contact resistance: <1 Ω at end of contact life Contact potential: < ± 1 μ V typical per contact; 10^8 Ω between terminals; $>10^8$ Ω to earth Key Features IEEE-488.2 GPIB and RS-232 interfaces with trigger link synchronization Operating temperature: 0°C to 50°C Storage temperature: -40°C to 70°C Relative humidity: 80% RH at 35°C Physical dimensions: 21 mm H $\times$ 72 mm W $\times$ 221 mm D Scanner card weight addition: 0.3 kg Typical Applications Multi-channel DC and AC signal monitoring, temperature measurement via thermocouple arrays, automated test systems requiring synchronized relay switching, frequency and resistance characterization across component batches. Compatibility & Integration Compatible with Model 2000 system software. GPIB and RS-232 connectivity enables integration into automated measurement systems and data acquisition networks.

Features & description

From manufacturer datasheet

Features

- Built-in scanner mainframe for 2000-SCAN / 20-channel option • Closed-cover calibration • Front and rear inputs • 1024-reading buffer • Same A/D technology as 2001/2002 at 6.5 digits • GPIB and RS-232

200020E Characteristics / Specifications

PARAMETER	VALUE
Model	2000-20E
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	6.5 digit digital multimeter with scanning
Alias	2000-20E; 2000/2000-20; Keithley 2000 SCAN Euro
Resolution	6.5 digits
Basic DCV Accuracy 90 Day	0.002 percent
Basic DCV Accuracy 1 Year Class	0.003 percent comparison table
DCV Range	100 nV to 1000 V
ACV Range	100 nV class to 750 V
Resistance Range	100 uohm to 100 Mohm
Basic Ohms Accuracy 90 Day	0.008 percent
DCI Range	10 nA class to 3 A
Frequency Range	3 Hz to 300 kHz
Temperature	T/C and RTD
Functions	DCV ACV DCI ACI 2-wire ohms 4-wire ohms temperature frequency period dB dBm continuity diode
Reading Rate 6.5 Digit	50 triggered readings/s over IEEE-488
Reading Rate 4.5 Digit	2000 readings/s into buffer
Reading Buffer	1024 readings
Scanner Inputs	up to 20 multiplexed signals (optional cards)
Remote Interfaces	GPIB IEEE-488; RS-232
Related 7.5 Digit	2010 with scanner
Form	half rack
Weight Class	3.5 kg / 6.5 kg shipping class
Related NonELabel	2000-20

PARAMETER	VALUE
Related Base Meter	Model 2000 without scanner option

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	2000-20E
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	6.5 digit digital multimeter with scanning
Alias	2000-20E; 2000/2000-20; Keithley 2000 SCAN Euro
Resolution	6.5 digits
Basic DCV Accuracy 90 Day	0.002 percent
Basic DCV Accuracy 1 Year Class	0.003 percent comparison table
DCV Range	100 nV to 1000 V
ACV Range	100 nV class to 750 V
Resistance Range	100 uohm to 100 Mohm
Basic Ohms Accuracy 90 Day	0.008 percent
DCI Range	10 nA class to 3 A
Frequency Range	3 Hz to 300 kHz
Temperature	T/C and RTD
Functions	DCV ACV DCI ACI 2-wire ohms 4-wire ohms temperature frequency period dB dBm continuity diode
Reading Rate 6.5 Digit	50 triggered readings/s over IEEE-488
Reading Rate 4.5 Digit	2000 readings/s into buffer
Reading Buffer	1024 readings
Scanner Inputs	up to 20 multiplexed signals (optional cards)
Optional Scan Card: 2000-SCAN 10 channel	
Specifications	
PARAMETER	VALUE
Remote Interfaces	GPIB IEEE-488; RS-232
Related 7.5 Digit	2010 with scanner
Form	half rack

PARAMETER	VALUE
Weight Class	3.5 kg / 6.5 kg shipping class
Related NonELabel	2000-20
Related Base Meter	Model 2000 without scanner option

Notes
Electrical rows match Keithley Model 2000 / 2000-20 datasheet scanning configuration. TheEsuffix denotes European-line labeling of the same 2000-20 scanning DMM class-confirm faceplate and installed 2000-SCAN versus 20-channel option.

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 13, 2026

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