

**Aumictech**

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Data Sheet

August 13, 2026

INSTEK

Instek GOM-802 DC Milli-Ohm Meter

Key Features - Four-terminal measurement - Manual or autoranging; continuous or triggered - Hi/Lo comparator, Go/No-Go, PASS/FAIL alarm - REL, actual, and % value displays - Auto-recall last setting after power OFF - Handler/Scan standard; RS-232C+GPIB factory option - Diode, temperature, and transformer TC functions Technical Specifications Model: GOM-802 Manufacturer: GW Instek Instrument Type: Programmable DC milli-ohm meter Alias: GOM802 Display counts: 30000 Best accuracy: 0.05% Accuracy 30 m: 0.1% reading + 6 digits Accuracy 300 m: 0.05% reading + 6 digits Accuracy 3 ohm: 0.05% reading + 3 digits Accuracy 30 ohm to 3 M: 0.



MODEL

Instek GOM-802

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

GOM-802

LISTING

<https://aumictechlabs.com/products/gom-802-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Instek GOM-802 is a precision DC milli-ohm meter designed for low-resistance measurement across a 30 mΩ to 3 MΩ range with 0.05% accuracy and 1 μΩ resolution. Built on four-terminal Kelvin measurement technique, it delivers stable results across demanding test environments including contact resistance verification, coil evaluation, and material conductivity assessment. Technical Specifications Display: 30,000 counts Accuracy: 0.05% Measurement Range: 30 mΩ to 3 MΩ Resolution: 1 μΩ Test Current: 1 μA to 1 A (range-dependent: 10 mA at 30 mΩ, 100 mA at 300 mΩ–30 Ω, 1 mA at 300 Ω, 100 μA at 3 kΩ–30 kΩ, 10 μA at 300 kΩ, 1 μA at 3 MΩ) Sampling Rate: 7

samples/sec (30,000 counts) or 30 samples/sec (3,000 counts) Operating Temperature: 18°C to 28°C Warm-up Time: 30 minutes Power: AC 100/120/220/230 V, 50/60 Hz Dimensions: 251(W) × 91(H) × 291(D) mm Weight: Approximately 3 kg Key Features Four-terminal Kelvin measurement eliminates lead resistance errors Continuous or triggered measurement modes for flexible test workflows Relative (REL) measurement, actual value, and percentage value measurement functions Hi/Lo comparator with limit percent setting and Go/NoGo testing capability PASS/FAIL alarm output with memory storage for 20 sets of Hi/Lo/GO settings Diode test and temperature measurement with compensation Manual or autoranging Auto-recall of last setting after power cycle Handler interface with PASS, FAIL, HI, LO, READY, and EOT output signals plus trigger input Typical Applications Contact resistance testing in switches and relays Coil resistance evaluation in motors and transformers Material conductivity assessment Quality assurance and component validation Go/NoGo production testing with integrated comparator Compatibility & Integration Standard: Handler interface with scan support and output/input signal control Optional Interfaces: RS-232C (DB-9 male connector) and GPIB Accessories: PT-100 platinum temperature probe, GTL-232 RS-232C cable, GTL-108A test leads (included)

Features & description

From manufacturer datasheet

Features

- Four-terminal measurement
- Manual or autoranging; continuous or triggered
- Hi/Lo comparator, Go/No-Go, PASS/FAIL alarm
- REL, actual, and % value displays
- Auto-recall last setting after power OFF
- Handler/Scan standard; RS-232C+GPIB factory option
- Diode, temperature, and transformer TC functions

GOM802 Characteristics / Specifications

PARAMETER	VALUE
Model	GOM-802
Manufacturer	GW Instek
Instrument Type	Programmable DC milli-ohm meter
Alias	GOM802
Display counts	30000
Best accuracy	0.05%
Accuracy 30 m	0.1% reading + 6 digits
Accuracy 300 m	0.05% reading + 6 digits
Accuracy 3 ohm	0.05% reading + 3 digits
Accuracy 30 ohm to 3 M	0.05% reading + 2 digits
Resolution class	1 uohm, 10 uohm, 100 uohm, 1 mohm, 10 mohm, 100 mohm, 1 ohm, 10 ohm, 100 ohm
Range 30 m	30 mohm / 1 A
Range 300 m	300 mohm / 100 mA
Range 3 ohm	3 ohm / 100 mA
Range 30 ohm	30 ohm / 10 mA
Range 300 ohm	300 ohm / 1 mA
Range 3 k	3 kohm / 100 uA
Range 30 k	30 kohm / 100 uA
Range 300 k	300 kohm / 10 uA
Range 3 M	3 Mohm / 1 uA
Measuring rate 30000 counts	7 measurements per second
Measuring rate 3000 counts	30 measurements per second
Memory	20 sets
Functions	Hi/Lo, Go/No-Go, manual trigger, actual, %, diode, temp, TC for transformer

PARAMETER	VALUE
Temperature range	-50 C to 100 C
Temperature accuracy minus 10 to 40 C	0.3% + 0.5 C
Temperature accuracy other	0.3% + 1.0 C
Temperature resolution	0.1 C
Interface standard	Handler / Scan (same connector)
Interface option	RS-232C + GPIB (Opt.01 factory installed)
AC power	100/120/220/230 V ±10%, 50/60 Hz
Dimensions	251 mmWx 91 mmHx 291 mmDWeight: approximately 3 kg
Accessories	user manual, power cord, GTL-108A test lead

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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Model	GOM-802
Manufacturer	GW Instek
Instrument Type	Programmable DC milli-ohm meter
Alias	GOM802
Display counts	30000
Best accuracy	0.05%
Accuracy 30 m	0.1% reading + 6 digits
Accuracy 300 m	0.05% reading + 6 digits
Accuracy 3 ohm	0.05% reading + 3 digits
Accuracy 30 ohm to 3 M	0.05% reading + 2 digits
Resolution class	1 uohm, 10 uohm, 100 uohm, 1 mohm, 10 mohm, 100 mohm, 1 ohm, 10 ohm, 100 ohm
Range 30 m	30 mohm / 1 A
Range 300 m	300 mohm / 100 mA
Range 3 ohm	3 ohm / 100 mA
Range 30 ohm	30 ohm / 10 mA
Range 300 ohm	300 ohm / 1 mA
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Interface option	RS-232C + GPIB (Opt.01 factory installed)
AC power	100/120/220/230 V ±10%, 50/60 Hz
Dimensions	251 mmWx 91 mmHx 291 mmDWeight: approximately 3 kg
Accessories	user manual, power cord, GTL-108A test lead

Optional probe: PT-100 platinum temperature probe

Notes

Specs from GW Instek GOM-802 specification sheet. Do not apply GOM-801H 3-1/2-digit / 0.2% rows to this 30000-count model. Confirm Opt.01 if GPIB/RS-232 is required.

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

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NIST-traceable calibration · SAM registered ·
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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.