

**Aumictech**

Test &amp; measurement • bought, sold, repaired, calibrated

**Data Sheet**

August 14, 2026

HIPOTRONICS

# Hipotronics KVM100 AC/DC Kilovoltmeter

The Hipotronics KVM100-A is a high-voltage meter designed for accurate measurement of AC and DC voltages in various electrical testing applications. It features a solid construction for reliable performance in demanding environments.



MODEL

**Hipotronics  
KVM100-A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**KVM100-A**

LISTING

<https://aumictechlabs.com/products/kvm100-a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Hipotronics KVM100-A is a precision high-voltage meter meticulously engineered for accurate measurement of AC and DC voltages. This meter is well-suited for diverse electrical testing scenarios. With its solid construction, the KVM100-A ensures reliable and consistent performance, even when subjected to demanding operational environments.

## KVM100A Characteristics / Specifications

| PARAMETER                      | VALUE                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------|
| Instrument Type                | Portable AC/DC kilovoltmeter with precision divider                                          |
| Series Family                  | Hipotronics KVM100 / KVM200 / KVM300 / KVM400                                                |
| High Range                     | 0 to 100 kV                                                                                  |
| Low Range                      | 0 to 10.0 kV                                                                                 |
| Display                        | digital 3.5 digits, 0.5 inch LED, auto polarity                                              |
| Input Impedance                | 1 MOhm                                                                                       |
| Dc Accuracy                    | less than 0.5 percent of full scale from 10 to 100 percent of scale                          |
| Ac Rms Accuracy                | less than 1.0 percent of full scale from 10 to 100 percent of scale                          |
| Ac Peak Accuracy               | less than 2.0 percent of full scale from 10 to 100 percent of scale                          |
| Divider Ratio                  | 1000:1 (V out / V in)                                                                        |
| Divider Voltage Rating Dc      | 100 kV                                                                                       |
| Divider Voltage Rating Ac Rms  | 100 kV                                                                                       |
| Divider Voltage Rating Ac Peak | 142 kV                                                                                       |
| Divider Height                 | 15 in                                                                                        |
| Divider Weight                 | 12 lb                                                                                        |
| Top Electrode                  | 2 in x 8 in                                                                                  |
| Battery Type                   | 4 NiCd cells, sizeDBattery Operation: 8 hours                                                |
| Battery Recharge               | 16 hours                                                                                     |
| Line Input Code A              | 120 V / 60 Hz (KVM100-A)                                                                     |
| Line Input Code B              | 230 V / 50 Hz (KVM100-B)                                                                     |
| Measurements                   | DC; ripple voltage AC superimposed on DC; AC positive and negative peak; AC absolute average |
| Coefficients                   | low temperature and voltage coefficients stated for the KVM series                           |
| Literature                     | Hipotronics KVM Series kilovoltmeter specification table                                     |

# KVM100A Specifications

| PARAMETER                | VALUE                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| AC and DC coupling       | High and low voltage ranges                                                                                                               |
| Technical Specifications | Instrument Type: Portable AC/DC kilovoltmeter with precision divider                                                                      |
| Notes                    | Range, accuracy, divider ratio/ratings, battery, and A/B line-code rows from the Hipotronics KVM Series specification table for KVM100-*. |

# 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                 |                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------|
| Technical Specifications       |                                                                                              |
| PARAMETER                      | VALUE                                                                                        |
| Instrument Type                | Portable AC/DC kilovoltmeter with precision divider                                          |
| Series Family                  | Hipotronics KVM100 / KVM200 / KVM300 / KVM400                                                |
| High Range                     | 0 to 100 kV                                                                                  |
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| Divider Voltage Rating Ac Peak | 142 kV                                                                                       |
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| Divider Weight                 | 12 lb                                                                                        |
| Top Electrode                  | 2 in x 8 in                                                                                  |
| Battery Type                   | 4 NiCd cells, size D                                                                         |
| Battery Operation              | 8 hours                                                                                      |
| Battery Recharge               | 16 hours                                                                                     |
| Line Input Code A              | 120 V / 60 Hz (KVM100-A)                                                                     |
| Line Input Code B              | 230 V / 50 Hz (KVM100-B)                                                                     |
| Measurements                   | DC; ripple voltage AC superimposed on DC; AC positive and negative peak; AC absolute average |
| Coefficients                   | low temperature and voltage coefficients stated for the KVM series                           |
| Literature                     | Hipotronics KVM Series kilovoltmeter specification table                                     |
| Specifications                 |                                                                                              |

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#### Notes

Range, accuracy, divider ratio/ratings, battery, and A/B line-code rows from the Hipotronics KVM Series specification table for KVM100-\*.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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[sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341  
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
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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.