



HIGH PRECISION VOLTAGE DIVIDER

MODEL 1340A

- 10:1 and 100:1 Divider Outputs
- Voltages to 1000 Volts
- Maintained in Temperature Controlled Chamber for Optimal Performance
- Built for Calibration of Calibrators and DVM's
- Ratio Uncertainty 0.2 $\mu\text{V}/\text{V}$ and 0.5 $\mu\text{V}/\text{V}$
- Output Compared to 732B/C 10 V Output
- Does Not Require Any External Standards

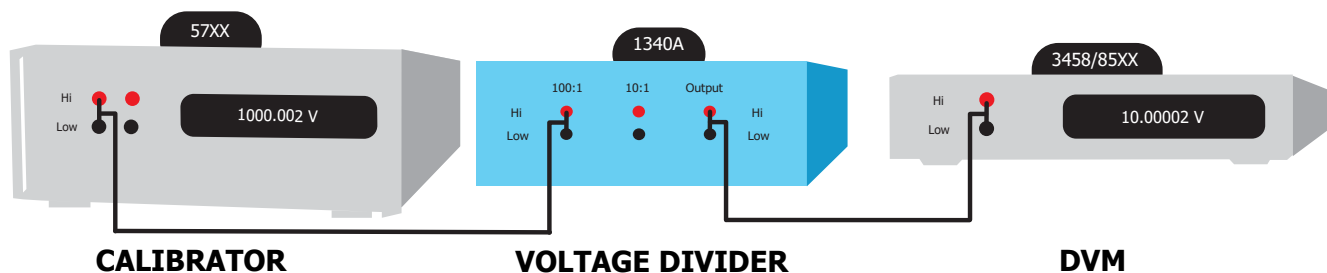


MODEL 1340A HIGH PRECISION VOLTAGE DIVIDER

The MI model 1340A was designed to provide customers with a user-friendly, cost-efficient reference divider to be used in the DC Voltage characterization of DVM's and calibrators. Procedures are supplied with units and follow the manufactures guidelines for calibration and verification.

Customers do not need to calibrate the 1340A prior to use!

The MI model 1340A was designed and developed by metrologists for metrologists! The ease of use and low cost of the 1340A makes it the ideal choice for use in calibration and maintenance of calibrators. Metrologists and calibration technicians in National Laboratories, the military, and third party calibration laboratories will be greatly impressed with the performance of the 1340A. The 1340A Reference Dividers are precision 10:1 and 100:1 dividers designed primarily for comparing direct voltage levels of various sources to a 10 V voltage reference standard like a 732B or 732C series. Simple connection to the front panel for either the 100:1 or 10:1 ratio is done directly to the calibrator through a supplied cable. The output of the divider is then connected to the DVM for testing also through a supplied cable. **It's that simple!**



Example: 1000 V in divided to 10 V out to be measured!

The 1340A utilizes a special design network of high precision resistors mounted in a temperature controlled chamber. This allows for the highest level of performance from the internal high precision resistors. Operation was designed to offer customers the easiest to use instrument with complete confidence. An internal mounted temperature sensor PT100 allows users to connect to the front panel and monitor the internal oven.





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Specifications: Rev 0

Ratio Range	Ratio Uncertainty	Input Voltage Max
10:1	± 0.2 µV/V (0.2 ppm)	200 V
100:1	± 0.5 µV/V (0.5 ppm)	1100 V
Temperature Stability		± 0.1 °C Over a 1 Year Period
Ambient Temperature Range		23 °C ± 5 °C
Ambient Humidity Range		20 to 90 % Non-condensing
Storage (with Battery Removed)		-50 °C to +50 °C
Isolation to Earth		> 10 ¹² Ω
Direct Cable to 57XX		Provided
Warranty		Standard 2 Year Parts & Labour

Options:

PN: 1340-0 Output cable to bare ends
 PN: 1340-C Output cable to custom
 PN: 1340-BP Battery pack

Other: Contact MI

Dimensions (L × W × H):

445 × 432 × 127 (mm)

Weight:

9 kg

Shipping Weight:

13 kg

Main Power:

85 to 264 V – 47 to 440 Hz

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