



## 8110A 10 VOLT REFERENCE



### Featuring

- ▶ Industry Leading Stability
- ▶ Built-in reversing switch for + 10 V, - 10 V
- ▶ 30 Days:  $\pm 0.25 \mu\text{V/V}$
- ▶ 90 Days:  $\pm 0.75 \mu\text{V/V}$
- ▶ 1 Year:  $\pm 1.5 \mu\text{V/V}$
- ▶ Built-in battery backup

Feature	Benefit
Unrivaled Accuracy	With an exceptional accuracy level, the 8110A Reference ensures that your measurements are precise and reliable, enabling you to make informed decisions with confidence.
Robust Build Quality	Crafted with the utmost attention to detail, the 8110A is built to withstand the rigors of demanding work environments. Its rugged construction guarantees durability, providing you with a reliable tool that will stand the test of time.
User-Friendly Interface	We understand the importance of efficiency in your daily operations. That's why our 10 Volt Reference features a user-friendly interface, making it intuitive and straightforward to use. Spend less time on setup and configuration and more time focusing on your core tasks.
Precision Calibration	To ensure the highest level of accuracy, the 8110A undergoes meticulous calibration by our team of experts. We guarantee that every unit meets stringent quality standards, providing you with peace of mind and reliable results.
Seamless Integration	The 8110A seamlessly integrates into your existing measurement systems and setups. With its compatibility across a wide range of instruments and devices, you can easily incorporate it into your workflow without any hassles.



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### Overview

Unlock the potential of precise measurements with our state-of-the-art 8110A 10 Volt Reference. Designed to meet the demanding requirements of Metrologists worldwide, this cutting-edge reference source sets a new benchmark in accuracy, reliability, and versatility. Whether you're involved in research, development, testing, or quality control, our 10 Volt Reference empowers you to achieve unparalleled results with confidence.

In today's fast-paced and competitive world, precision and accuracy are paramount. With our 10 Volt Reference, you gain access to cutting-edge technology that empowers you to elevate your measurement capabilities and achieve superior results. Don't compromise on accuracy—choose the 8110A and experience the difference it can make in your work. Contact us today to learn more and take a step towards precision measurement excellence.

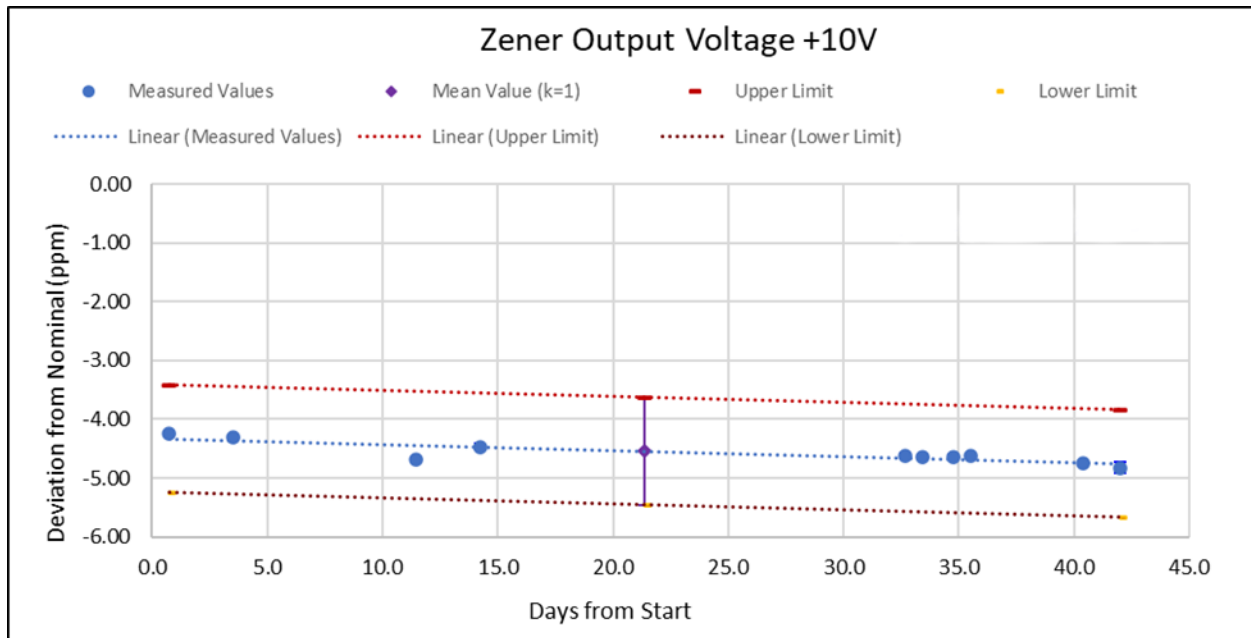


Figure 1. 10 V performance over 45 days

### Applications:

The 8110A Reference finds its application in a multitude of industries, including:

- Electronics and Semiconductor Testing
- Calibration Laboratories
- Metrology and Standards Organizations
- Research and Development Facilities
- Automotive and Aerospace Industries
- Quality Control and Manufacturing Environments



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**Specifications:** Rev 0

Artifact Standard	TC <sup>1</sup>	Stability per Year
10 V	0.04 $\mu\text{V}/\text{V}/^\circ\text{C}$	30 Days: $\pm 0.25 \mu\text{V}/\text{V}$
		90 Days: $\pm 0.75 \mu\text{V}/\text{V}$
		1 Year: $\pm 1.5 \mu\text{V}/\text{V}$
<b>Temperature Stability</b>		$\pm 0.1 \text{ }^\circ\text{C}$ Over a 1 Year Period
<b>Ambient Temperature Range</b>		$23 \text{ }^\circ\text{C} \pm 5 \text{ }^\circ\text{C}$
<b>Ambient Humidity Range</b>		20 to 90 % Non-condensing
<b>Storage (with Battery Removed)</b>		$- 50 \text{ }^\circ\text{C}$ to $+ 50 \text{ }^\circ\text{C}$
<b>Isolation to Earth</b>		$> 10^{12} \Omega$
<b>Direct Cable to 57XX</b>		Provided
<b>Power</b>		24-hour Internal Battery <sup>2</sup>
<b>Warranty</b>		Standard 2 Year Parts & Labour

<sup>1</sup> Temperature Coefficient: 0.01  $\mu\text{V}/\text{V}$  for ambient temperatures ( $23 \pm 5$ ) $^\circ\text{C}$

<sup>2</sup> Optional (72-hour) battery pack

### Options:

Part Number: 8110A-C Output cable to custom

Part Number: 8110A-PS External Power Supply [connects to rear panel of 8110A]

Part Number: 8110A-HC Hard Shipping Case

**Other:** Contact MI

**Shipping:** Shipped cold in reusable container; 12 hours of warm-up required to reach operating temperature

**Dimensions (L x W x H):**  
250 x 360 x 180 (mm)

**Weight:**  
10 kg

**Shipping Weight:**  
15 kg

**Mains Power:**  
100 to 250 V<sub>ac</sub>, 50/60 Hz

### Corporate Headquarters

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