

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

BRADLEY ELECTRONICS

Bradley Electronics 192 Oscilloscope Calibrator

Bradley Electronics 192 Oscilloscope Calibrator The Bradley Electronics Type 192 is a precision oscilloscope calibrator for vertical amplitude and horizontal timebase calibration. OEM Type 192 literature lists a voltage calibrator from 10 uV/div to 20 V/div in 1-2-5 steps, a time calibrator from 10 ns/div to 0.5 s/div, and a fast-risetime output of less than 1 ns into 50 ohm. Oscilloscope vertical and timebase calibration, laboratory metrology of CRT and analog scopes, and service-shop amplitude/time verification. The Bradley Electronics Type 192 is a precision oscilloscope calibrator for vertical amplitude and horizontal timebase calibration. OEM Type 192 literature lists a voltage calibrator from 10 uV/div to 20 V/div in 1-2-5 steps, a time calibrator from 10 ns/div to 0.5 s/div, and a fast-risetime output of less than 1 ns into 50 ohm. Oscilloscope vertical and timebase calibration, laboratory metrology of CRT and analog scopes, and service-shop amplitude/time verification. Voltage calibrator with 1-2-5 decade ranges



MODEL

**Bradley
Electronics 192**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

192

LISTING

<https://aumictechlabs.com/products/192-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Bradley Electronics 192 Oscilloscope Calibrator is a precision instrument designed to ensure accurate measurements in electronic circuits. This calibrator provides accurate signals for the vertical and horizontal deflection, time base, and triggering circuits of oscilloscopes, making it an essential tool for maintaining the accuracy and reliability of oscilloscope measurements. It is compatible with various oscilloscope models and offers reliable calibration for voltage, frequency,

and other parameters, making it ideal for electronics professionals. Technical Specifications

Vertical Calibration (Y-Axis) * DC Voltage Output: Provides an accurate DC voltage, positive, negative, or zero, for amplitude calibration of the Y-amplifier. **Square Wave Output:** A 1kHz positive-going square wave output is available for Y-amplifier amplitude calibration. **Voltage Range:** Calibrated in 1, 2, 5 steps from 10 microvolts per division ($\mu\text{V}/\text{div}$) to 20 volts per division (V/div). **Multiplier Functions:** Push-button switches provide X1, X3, X4, X5, X6, X8, or X10 multiplication of the output signal. This allows for display expansion to suit CRT graticule markings and achieve a suitable picture size. **Deviation Ranges:** Available deviation ranges of $\pm 3\%$ and $\pm 10\%$. **Accuracy:** EMF accuracy is better than $\pm 0.25\%$. For ranges above 50mV, a five-minute settling time is required for accuracy better than $\pm 50\mu\text{V}$. **Reference Source:** Utilizes a high-quality zener diode for voltage reference. Time constant of the zener diode is 0.002% per $^{\circ}\text{C}$, with an overall stability better than 0.01% per $^{\circ}\text{C}$. **Amplitude Variable Range:** Continuously variable over the range of 200 to 250mV (into 50 ohms). **Horizontal Calibration (X-Axis) and Time Base * Time Base Output:** Two output sockets provide normal or HF (High Frequency) time base signals. **Time Range (Normal):** Output ranges from 100 nanoseconds per division (ns/div) to 0.5 seconds per division (s/div) in 1, 2, 5 steps. **Multiplier Functions (Normal):** Associated push buttons provide multiplication of X1, X2, X5, or X10 to enable display expansion to suit oscilloscope CRT graticules. **Time Range (HF):** Provides faster speeds of 10ns, 20ns, and 50ns. **Waveform (HF Range):** The HF time base output is a sinewave. No multiplication or deviation facilities are provided on this range. **Trigger Circuit Testing:** A 50/60Hz sinewave output of variable amplitude is available for checking trigger circuits at line frequency. Amplitude is continuously variable over the range 200 to 250mV. **Triggering Circuits * Line Frequency Sine Wave:** A 50/60Hz sinewave output is available for checking trigger circuits at line frequency. The amplitude is continuously variable over the range of 200 to 250mV (into 50 ohms). **Waveform Outputs * Pulses:** For time calibration, spike pulses are provided with fast rise times. The width at the base of each pulse is generally 10% of the pulse interval. **Electrical Specifications * Power Requirements:** Operates from mains supplies of 50/60Hz, with selectable voltages of 100/125V and 200/250V RMS. **Power Consumption:** Approximately 17W. **Fuse Ratings:** * 200/250V operation: 0.5A fuse. * 100/125V operation: 1A fuse. **Interfaces * Output Sockets:** Five output BNC sockets are provided. **Physical Characteristics * Construction:** Features chrome-plated clamps for handles. **Compatibility * Oscilloscope Models:** Compatible with various oscilloscope models. **Why Choose Aumictech for the Bradley Electronics 192 Oscilloscope Calibrator?** At Aumictech, we specialize in supplying high-end oscilloscope calibration equipment. Whether you need precise vertical and horizontal deflection calibration, accurate time base signal generation, or reliable triggering circuit testing, our team ensures the Bradley Electronics 192 Oscilloscope Calibrator delivers maximum performance for your application.

192 Characteristics / Specifications

PARAMETER	VALUE
Model	192
Instrument Type	Oscilloscope calibrator
Manufacturer	Bradley ElectronicsGandELtd
Voltage Per Division Range	10 uV to 20 V in 1, 2, 5 steps
Division Multiplier	x3, x4, x5, x6, x8, x10
Voltage Output Modes	AC 1 kHz positive going square wave, DC positive, DC negative, ZERO
Emf Accuracy	better than plus or minus 0.25 percent
Reference Device	high quality zener diode
Reference Temperature Coefficient	0.002 percent per degreeC Time Per Division Range: 10 ns to 0.5 s/div in 1, 2, 5 steps
Time Multiplier	x1, x2, x5, x10 on 100 ns to 0.5 s/div
Risetime Calibrator Amplitude Into 50 Ohm	200 mV to 250 mV continuously variable
Risetime Calibrator Emf	400 mV to 500 mV
Risetime	less than 1 ns positive going
Risetime Period Range	1 us to 1 s in decade steps
Risetime Waveform	square
Square Wave Risetime Voltage Calibrator	less than 5 us
Square Wave Overshoot	less than 0.5 percent
Ripple And Hum	better than 0.1 percent plus 2 uV p-p
Mains Voltage	100 to 125 V and 200 to 250 V rms
Mains Frequency	50/60 Hz
Power Consumption	17 W
Width	413 mm
Height	133.5 mm
Depth	304.8 mm

PARAMETER	VALUE
Mass	7.080 kg

192 Specifications

PARAMETER	VALUE
Bradley Electronics 192 Oscilloscope Calibrator	Overview
Key Features	Voltage calibrator with 1-2-5 decade ranges
Fast risetime calibrator and trigger output	AC 1 kHz square wave plus DC positive, DC negative, and ZERO modes
Technical Specifications	Model: 192
Notes	Finer faceplate limits belong on the calibration certificate. Do not invent additional accuracies beyond OEM Type 192 literature.

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	192
Instrument Type	Oscilloscope calibrator
Manufacturer	Bradley ElectronicsGandELtd
Voltage Per Division Range	10 uV to 20 V in 1, 2, 5 steps
Division Multiplier	x3, x4, x5, x6, x8, x10
Voltage Output Modes	AC 1 kHz positive going square wave, DC positive, DC negative, ZERO
Emf Accuracy	better than plus or minus 0.25 percent
Reference Device	high quality zener diode
Reference Temperature Coefficient	0.002 percent per degreeCTime Per Division Range: 10 ns to 0.5 s/div in 1, 2, 5 steps
Time Multiplier	x1, x2, x5, x10 on 100 ns to 0.5 s/div
Risetime Calibrator Amplitude Into 50 Ohm	200 mV to 250 mV continuously variable
Risetime Calibrator Emf	400 mV to 500 mV
Risetime	less than 1 ns positive going
Risetime Period Range	1 us to 1 s in decade steps
Risetime Waveform	square
Square Wave Risetime Voltage Calibrator	less than 5 us
Square Wave Overshoot	less than 0.5 percent
Ripple And Hum	better than 0.1 percent plus 2 uV p-p
Mains Voltage	100 to 125 V and 200 to 250 V rms
Mains Frequency	50/60 Hz
Power Consumption	17 W
Width	413 mm
Height	133.5 mm
Depth	304.8 mm
Mass	7.080 kg

Notes

Finer faceplate limits belong on the calibration certificate. Do not invent additional accuracies beyond OEM Type 192 literature.

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 15, 2026

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