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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1590A 100MHz Dual Trace Oscilloscope

BK Precision 1590A Dual Trace Oscilloscope The BK Precision 1590A Dual Trace Oscilloscope is a 100 MHz dual-trace analog oscilloscope for education and service troubleshooting. Education labs, service benches, and general purpose analog waveform troubleshooting to 100 MHz. 100 MHz dual trace analog CRT oscilloscope The BK Precision 1590A Dual Trace Oscilloscope is a 100 MHz dual-trace analog oscilloscope for education and service troubleshooting. Education labs, service benches, and general purpose analog waveform troubleshooting to 100 MHz. 100 MHz dual trace analog CRT oscilloscope Triggered sweep time baseXYmode capability class



MODEL

**BK Precision
1590A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1590A

LISTING

<https://aumictechlabs.com/products/1590a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

BK Precision 1590A Oscilloscope The BK Precision 1590A is a quad-trace, analog oscilloscope designed for a variety of electronic testing and measurement applications. Manufactured by Kenwood under contract for BK Precision, this instrument offers a bandwidth of 100 MHz and features dual sweep capabilities, allowing for detailed waveform analysis. Its solid design and user-friendly interface make it suitable for both benchtop use and integration into automated testing setups. The unit is noted for its clear display, sharp focus, and comprehensive trigger

modes. Technical Specifications * Model: BK Precision 1590A Type: Analog Oscilloscope Bandwidth: 100 MHz (measured at -3dB, with some units achieving up to 114 MHz) Channels: 4 (Quad-Trace) Sweep Speed: Dual Sweep capability, with an expanded sweep function for selected portions of a waveform Vertical Sensitivity: 5 mV/division to 5 V/division (on Channels 1 & 2) * With x10 probe: 50 mV/division to 50 V/division * With x10 probe for Channels 3 & 4: 50 mV/division to 50 V/division Horizontal Sensitivity: Variable, with a horizontal magnifier allowing for up to x10 magnification Trigger Modes: Auto, Normal, Single, Reset Trigger Source: Selectable from Channel 1, Channel 2, or external trigger Display: Bright, sharp CRT display with excellent focus and brightness * Beam Finder function included Input Coupling: AC, Ground, DC selectable for all channels Probe Compensation Signal: 1 V peak-to-peak, 1 kHz square wave output for probe adjustment Power Requirements: Typically operates from standard AC mains power. Internal components may include a 3V lithium battery for memory functions. Interfaces * BNC Connectors: Standard BNC connectors for all four input channels and external trigger/sync. Probe Input: Dedicated probe compensation signal output. Physical Characteristics * Dimensions: Approximately 13.5 inches (Length) x 8 inches (Height) x 20 inches (Width). Weight: Approximately 16.00 lbs or 7.26 kgs. Construction: Diecast Aluminum Alloy enclosure. Available in natural finish (1590A) and black textured finish (1590ABK, 1590WA, 1590WABK). Operational Features * Quad-Trace Display: Ability to display four waveforms simultaneously. Dual Sweep Functionality: Allows for viewing a standard sweep and an expanded sweep of a selected portion of the waveform, enhancing detail observation. Vertical Gain Control: Individual vertical gain control for Channels 1 and 2. Channels 3 and 4 can be attenuated by a factor of 10. User Interface: Intuitive layout with clearly labeled controls, facilitating ease of use. Applications The BK Precision 1590A is well-suited for: General electronic troubleshooting and repair. Educational laboratory use. Development and testing of analog and digital circuits. Signal analysis in various engineering disciplines. Note: The BK Precision 1590A has been discontinued by the manufacturer. While original manufacturer warranties may not apply, third-party warranties and repair services are often available from specialized electronics suppliers. Why Choose Aumictech for BK Precision 1590A? At Aumictech, we specialize in sourcing and supporting high-quality test and measurement equipment. Whether you need a reliable oscilloscope for detailed waveform analysis, solid performance for complex circuit diagnostics, or efficient integration into your existing lab setup, our team ensures the BK Precision 1590A delivers dependable results for your application.

1590A Characteristics / Specifications

PARAMETER	VALUE
Bandwidth	100 MHz
Channels	2 dual trace
Display Type	CRT analog oscilloscope
Vertical Deflection Class	mV per division to Vper division ranges class
Time Base Class	Microseconds to seconds per division class
Trigger Modes Class	Auto normal TV class
Input Coupling	AC DC GND class
Input Impedance Class	1 Mohm parallel with pF class
Maximum Input Voltage Class	Hundreds of volts peak class with probe
Probe Compatibility	1× 10x passive probes classXYMode: Supported class
Form Factor	Benchtop CRT oscilloscope
Primary Power	AC mains laboratory supply class
Series Family	BK Precision 1590A Dual Trace Oscilloscope
Applications Class	Education and service troubleshooting
Calibrator Output Class	Probe compensation square wave class
Weight Class	Benchtop CRT oscilloscope weight
Cooling	Convection cooled class
Vertical Modes	CH1 CH2 ALT CHOP ADD class
Trigger Source	CH1 CH2 LINE EXT class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class
Humidity	Class: Up to 80 percent noncondensing class

1590A Specifications

PARAMETER	VALUE
BK Precision 1590A Dual Trace Oscilloscope	Overview
Applications	Education labs, service benches, and general purpose analog waveform troubleshooting to 100 MHz.
Key Features	100 MHz dual trace analog CRT oscilloscope
Technical Specifications	Bandwidth: 100 MHz

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
Bandwidth	100 MHz
Channels	2 dual trace
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Vertical Deflection Class	mV per division toVper division ranges class
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Trigger Modes Class	Auto normal TV class
Input Coupling	AC DC GND class
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Maximum Input Voltage Class	Hundreds of volts peak class with probe
Probe Compatibility	1x 10x passive probes classXYMode: Supported class
Form Factor	Benchtop CRT oscilloscope
Primary Power	AC mains laboratory supply class
Series Family	BK Precision 1590A Dual Trace Oscilloscope
Applications Class	Education and service troubleshooting
Calibrator Output Class	Probe compensation square wave class
Weight Class	Benchtop CRT oscilloscope weight
Cooling	Convection cooled class
Vertical Modes	CH1 CH2 ALT CHOP ADD class
Trigger Source	CH1 CH2 LINE EXT class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class
Notes	
From BK Precision 1590A Dual Trace Oscilloscope OEM product documentation. Confirm exact vertical sensitivity and time-base tables on the datasheet revision.	

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