

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

1.4 Advisor

The LeCroy Advisor™ USB 2.0 Bus & Protocol Analyzer is a LeCroy fourth-generation product for USB development and testing. The Advisor interfaces with standard USB cables and connections to capture and display Hi-Speed and Classic-Speed USB 2.0 bus traffic.



Figure 1.7 Advisor

1.4.1 Advisor Features

General

- Fully complies with USB 2.0 specification
- Supports Link Power Management extension to USB 2.0 specification.
- Has reconfigurable hardware for future enhancements.
- Supports all USB speeds (High-Speed, Full-Speed, and Low-Speed).
- Displays bus traffic using color and graphics in the CATC Trace interface.
- Has free non-recording, view-only Trace Viewer software.
- Self-diagnoses at power on.
- Has a 36-month warranty and hot-line customer support.

Physical Components

- High impedance tap: Inserts non-intrusively in any branch of a USB system
- 128 MB of physical data-recording memory
- Two recording channels: one for High-Speed traffic and one for Classic-Speed traffic (either Low-Speed or Full-Speed)
- Secondary recording channel for development of multiple speed functions up-stream and down-stream of a speed-matching hub or transaction translator
- Convenient “Detach Device” switch operates with the Classic recording channel to save time and reduce USB cable/connector wear for multiple connects and disconnects to host
- Full-speed USB connection to desktop or portable host PC
- Internal wide-range AC power supply
- Breakout board (included)

Recording Options

- Triggering on all USB2.0 PIDS and special tokens (such as ERR, SPLIT, PING, NYET, DATA2, and MDATA).
- CATC Trace display and enumeration of USB2.0 Micro Frames
- Three forms of triggering: Snapshot, Manual, and Event
- High, Full, and Low speed traffic capture
- Adjustable buffer size from 0.1 MB to 128 MB
- Versatile triggering: bit-wise value and mask data patterns up to sixteen bytes wide for Setup transactions and data packets
- Triggering on multiple error conditions: PID bad, bit stuffing bad, CRC bad, end-of-packet bad, babble, activity loss, frame length violation, time-out or turn-around violation, and data toggle violation
- Transaction sequencer: Allows triggering on a token qualified by a data pattern and/or specific handshake, or can filter transactions.
- Advanced triggering with event counting and sequencing
- Dedicated trigger for recording input and output that is used to interface to external test equipment
- Real-time traffic capture filtering and data packet truncation variable up to 245 bytes

Display Options

- Uses the CATC Trace graphical display of bus packets, transactions, split transactions, and transfers
- Has a Trace Viewer backward compatible with Chief™, Inspector™, and Detective™ trace files.
- Indicates trigger position by different pre-trigger and post-trigger colors.
- Set markers to assist with navigation and time calculations. Each marker can contain unique comments.
- Hides start-of-frame (SOF) packets and any packet or transaction.
- Search for a specific PID.
- Change bit order for all fields, except Data Length, Time, and Packet # (MSB>LSB or LSB>MSB).
- Detects, and alerts you to, every potential bus error and protocol violation, and their combinations.
- Has high-resolution, accurate time stamping of bus packets and timing measurement and analysis functions.
- Has search and packet hiding capabilities.
- Allows comprehensive device class decoding and user-defined protocol decoding.

Refer to **Readme.txt** on your installation CD for the latest information on features.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP