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.

Find the *Tektronix CSA 803C* at our website: *Click HERE*

[an error occurred while processing this directive]

Communications Signal Analyzer



CSA 803C

This product is discontinued.
View alternative products.

Check product support status.

FEATURES

APPLICATIONS

Features
Specs

CSA 803C

- DC to 50 GHz with up to 12.5 GHz Trigger Bandwidth
- Design and Evaluation of Datacomm/Telecomm Components, Transceiver Subassemblies, and Transmission Systems.
- Fully Automatic Jitter, Noise, and Extinction Ratio Measurements
- Normal, Infinite, Variable Persistence, and Color Graded Display Modes
- Compatible with Optional O/E Converters
- Automatic Measurements on Eye-diagrams
- Time and Voltage Histograms
- Automated ITU/ANSI Mask Testing with 47 Predefined Standard Masks

Digital Communications Analysis Solutions

Specifically designed for communications applications, the CSA 803C Communications Signal Analyzer is the ideal tool for design and evaluation of datacomm/telecomm components, transceiver subassemblies, and transmission systems.

The CSA 803C oscilloscope generates measurement results, not just raw data, with time and voltage histograms, mask testing, and statistical pulse parameter measurements. It provides a communications-tailored measurement set that includes jitter, noise, duty cycle, overshoot, undershoot, extinction ratio and amplitude measurements.

In addition, mask testing of SDH/SONET, Fiber Channel, and other standards simplifies compliance testing. A full color display helps you to discriminate waveform details. A color-graded display mode adds a third dimension - sample density - to your signal acquisitions and analysis. Color hardcopy capabilities allow you to accurately document your measurement results.

Modularity and Flexibility

The modularity of the instrument lets you choose the right bandwidth sampling head for your application, including the 2.5 GHz high impedance (100 k Ohm), low capacitance (0.475 pF) SD-14 up to 50 GHz with the SD-32.

High bandwidth probes are also available for constructing a total acquisition and measurement solution.

Superior Triggering Capabilities

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

In addition to its full-function DC-coupled 4.0 GHz trigger (typical), the CSA 803C offers a built-in, AC-coupled 12.5 GHz (typical) prescaler trigger for direct triggering on high-speed data at bit rates such as 9.953 GB/S OC192/STM64.

Customers doing pass/fail testing to communications standards benefit from the excellent metastability characteristics of these triggers. Metastability is a condition of all logic devices when they do not latch to a valid ON of OFF logic level, and can occur during trigger events with all sampling oscilloscopes and circuits under test. The raw metastability of the CSA 803C direct trigger is an impressive 5 parts per billion or less, and with Enhanced Triggering ON metastable trigger events are essentially eliminated. This is possible because Enhanced Triggering is capable of detecting possible metastable sample points and discarding them.

Top of Page

Features

Specs

Tektronix Measurement products are manufactured in ISO registered facilities.

49A-10733-3p290, 06/1997, 09/01/1999

[an error occurred while processing this directive]

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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