

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

TTC

TTC T-BERD 310 ANALYZER WITH 8 OPTIONS 310-5 DS3 JITTER TBERD

The TTC T-BERD 310 Communications Analyzer with the 310-5 DS3 Jitter option delivers advanced signal testing and jitter analysis for DS3 circuits in central offices, switching centers, laboratories, and manufacturing environments. This modular instrument qualifies and troubleshoots DS3 signals while providing in-depth jitter characterization, pulse shape conformance verification, and spectral analysis. Its expandable architecture supports up to eight options, scale testing capabilities as network requirements evolve. Compatibility & Integration The modular T-BERD 310 architecture accepts the 310-5 DS3 Jitter option and supports optional expansion via the 310-11 three-slot chassis for multi-technology deployment. Aumictech offers NIST-traceable calibration and repair for the TTC 310-5. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This TTC 310-5 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.



MODEL

TTC 310-5

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

310-5

LISTING

<https://aumictechlabs.com/products/310-5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

DS3 Jitter Analysis Selectable jitter scales: 20, 5, and 2 unit intervals with automatic mode selection Incoming jitter threshold configuration for Summary category display Jitter spectral characteristics analysis Bursty jitter measurement to differentiate SONET timing problems from DS3 network issues

DS3 Signal Testing DS3 circuit qualification and troubleshooting Signal level adjustment for installation setup Error burst correlation with level dropouts and frequency variations Transmit and receive frequency measurement Signal level and power measurements DS3 framing and pattern identification with minimal setup Automatic DS3 conformance testing Pulse shape analysis conforming to 1991 and 1993 ANSI specifications and CCITT standards

Analyzer Capabilities Modular design supporting up to 8 options Three-slot expansion chassis option (310-11) Electrical, optical, and high-speed optical testing SONET testing including equipment configuration verification, payload type identification, and APS switching verification via through mode simulation Front panel LED indication for OC-12c and OC-3c payload reception ATM testing functionality

Key Features Immediate DS3 framing identification Connector and cabling issue detection via pulse shape analysis Flexible jitter scale selection optimized for signal conditions Integrated SONET and ATM test support

Typical Applications Central office signal qualification Mobile switching office troubleshooting Manufacturing test and acceptance Network laboratory analysis DS3 circuit installation and commissioning

Compatibility & Integration The modular T-BERD 310 architecture accepts the 310-5 DS3 Jitter option and supports optional expansion via the 310-11 three-slot chassis for multi-technology deployment.

Features & description

From manufacturer datasheet

Technical Specifications

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TTC 310-5 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the TTC 310-5. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

TTC 310-5 price

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TTC 310-5 calibration cost

NIST-traceable calibration for the TTC 310-5 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

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Unit notes

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Analyzer Capabilities Modular design supporting up to 8 options Three-slot expansion chassis option (310-11) Electrical, optical, and high-speed optical testing SONET testing including equipment configuration

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.

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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
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<https://aumictechlabs.com>

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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.