

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

TTC

TTC Fireberd 6000 / 6000A Communications Analyzer w opt 6010

The TTC Fireberd 6000 is a communications analyzer with option 6010, designed for testing and troubleshooting various communication protocols and interfaces. It offers comprehensive testing capabilities for bit error rate testing (BERT), frame relay, and other network performance metrics.



MODEL

TTC 6000/6000A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6000/6000A

LISTING

<https://aumictechlabs.com/products/6000-6000a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The TTC Fireberd 6000A Communications Analyzer with Option 6010 is a modular test platform for protocol and network interface validation across physical and data link layers. It delivers bit error rate testing, frame and cell generation, signal performance analysis, and jitter measurement on T1, 2M, and 64 kb/s circuits. The instrument supports ATM, Frame Relay, ISDN, T-Carrier, E-Carrier, DDS, and analog transmission testing with in-service monitoring and loopback capabilities. A frequency synthesizer generates clock signals from 50 Hz to 15 MHz, accommodating both standard and non-standard rates. The menu-driven interface enables automated and remote operation with programmable user patterns, custom flow control, and storage for ten test configurations. Over 20 interchangeable interface modules adapt the analyzer

to diverse applications from drop-and-insert testing to high-speed TTL interfaces, with built-in RS-232 DTE/DCE emulation. Technical Specifications Operating Speed Range: 50 bps to 52 Mbps; certain interface standards operate up to 15 Mb/s Frequency Synthesizer Output: 50 Hz to 15 MHz Power Requirements: 115 V or 230 V operation (line voltage selectable) Key Features Bit Error Rate Testing (BERT) and jitter generation/measurement Frame and Cell Generation with signal and performance measurements Programmable test patterns and user-defined flow control Store and recall functionality for up to ten test configurations In-service monitoring and out-of-service testing modes Analog transmission impairment measurement with VF and wideband TMS IEEE-488 interface for printer and controller integration Typical Applications T1/E1/T3/E3 network commissioning and maintenance ATM and Frame Relay protocol validation ISDN endpoint testing DDS circuit performance analysis Datacom DTE/DCE interface verification Compatibility & Integration The modular architecture supports over 20 interface modules including T1/FT1 Drop and Insert, DS1/DS3 ATM, 2.048M/Nx64 kb/s CCITT, 34 Mb/s adapters, G.703 64 kb/s and 8.448 kb/s interfaces, ISDN S/T TE, DDS variants, V.35/RS-449/X.21 datacom modules, HSSI, and TTL interfaces up to 52 Mb/s.

Features & description

From manufacturer datasheet

Technical Specifications

Operating Speed Range: 50 bps to 52 Mbps; certain interface standards operate up to 15 Mb/s
Frequency Synthesizer Output: 50 Hz to 15 MHz Power Requirements: 115 V or 230 V operation (line voltage selectable)

Key Features

Bit Error Rate Testing (BERT) and jitter generation/measurement Frame and Cell Generation with signal and performance measurements Programmable test patterns and user-defined flow control Store and recall functionality for up to ten test configurations In-service monitoring and out-of-service testing modes Analog transmission impairment measurement with VF and wideband TIMS IEEE-488 interface for printer and controller integration

TTC 6000/6000A — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the TTC 6000/6000A. 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 6000/6000A price

This TTC 6000/6000A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

TTC 6000/6000A calibration cost

NIST-traceable calibration for the TTC 6000/6000A 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

T1/E1/T3/E3 network commissioning and maintenance ATM and Frame Relay protocol validation ISDN endpoint testing DDS circuit performance analysis Datacom DTE/DCE interface verification
Compatibility & Integration The modular architecture supports over 20 interface modules including T1/FT1 Drop and Insert, DS1/DS3 ATM, 2.048M/Nx64 kb/s CCITT, 34 Mb/s adapters, G.703 64 kb/s and 8.448 kb/s interfaces, ISDN S/T TE, DDS variants, V.35/RS-449/X.21 datacom modules, HSSI, and TTL interfaces up to 52 Mb/s.

Unit notes

The TTC Fireberd 6000A Communications Analyzer with Option 6010 is a modular test platform for protocol and network interface validation across physical and data link layers. It delivers bit error rate testing, frame and cell generation, signal performance analysis, and jitter measurement on T1, 2M, and 64 kb/s circuits. The instrument supports ATM, Frame Relay, ISDN, T-Carrier, E-Carrier, DDS, and analog transmission testing with in-service monitoring and loopback capabilities. A frequency synthesizer generates clock signals from 50 Hz to 15 MHz, accommodating both standard and non-standard rates. The menu-driven interface enables automated and remote operation with programmable user patterns, custom flow control, and storage for ten test configurations. Over 20 interchangeable interface modules adapt the analyzer to diverse applications from drop-and-insert testing to high-speed TTL interfaces, with built-in RS-232 DTE/DCE emulation.

Technical Specifications
Operating Speed Range: 50 bps to 52 Mbps; certain interface standards operate up to 15 Mb/s
Frequency Synthesizer Output: 50 Hz to 15 MHz
Power Requirements: 115 V or 230 V operation (line voltage selectable)

Key Features
Bit Error Rate Testing (BERT) and jitter generation/measurement
Frame and Cell Generation with signal and performance measurements
Programmable test patterns and user-defined flow control
Store and recall functionality for up to ten test configurations
In-service monitoring and out-of-service testing mode

6000/6000A Specifications

PARAMETER	VALUE
Frequency Range	50 Hz to 15 MHz Voltage / Current Range: 115 V or 230 V
Operating Speed Range	50 bps to 52 Mbps; certain interface standards operate up to 15 Mb/s Frequency Synthesizer Output: 50 Hz to 15 MHz Power Requirements: 115 V or 230 V operation (line voltage selectable)

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.

The TTC Fireberd 6000 is a communications analyzer with option 6010, designed for testing and troubleshooting various communication protocols and interfaces. It offers comprehensive testing capabilities for bit error rate testing (BERT), frame relay, and other network performance metrics.

The TTC Fireberd 6000A Communications Analyzer with Option 6010 is a modular test platform for protocol and network interface validation across physical and data link layers. It delivers bit error rate testing, frame and cell generation, signal performance analysis, and jitter measurement on T1, 2M, and 64 kb/s circuits. The instrument supports ATM, Frame Relay, ISDN, T-Carrier, E-Carrier, DDS, and analog transmission testing with in-service monitoring and loopback capabilities.

A frequency synthesizer generates clock signals from 50 Hz to 15 MHz, accommodating both standard and non-standard rates. The menu-driven interface enables automated and remote operation with programmable user patterns, custom flow control, and storage for ten test configurations. Over 20 interchangeable interface modules adapt the analyzer to diverse applications from drop-and-insert testing to high-speed TTL interfaces, with built-in RS-232 DTE/DCE emulation.

Compatibility & Integration The modular architecture supports over 20 interface modules including T1/FT1 Drop and Insert, DS1/DS3 ATM, 2.048M/Nx64 kb/s CCITT, 34 Mb/s adapters, G.703 64 kb/s and 8.448 kb/s interfaces, ISDN S/T TE, DDS variants, V.35/RS-449/X.21 datacom modules, HSSI, and TTL interfaces up to 52 Mb/s.

6000/6000A Specifications

PARAMETER	VALUE
Frequency Range	50 Hz to 15 MHz Voltage / Current Range: 115 V or 230 V
Operating Speed Range	50 bps to 52 Mbps; certain interface standards operate up to 15 Mb/s Frequency Synthesizer Output: 50 Hz to 15 MHz Power Requirements: 115 V or 230 V operation (line voltage selectable)

Technical Specifications

Operating Speed Range: 50 bps to 52 Mbps; certain interface standards operate up to 15 Mb/s
Frequency Synthesizer Output: 50 Hz to 15 MHz
Power Requirements: 115 V or 230 V operation (line voltage selectable)

Key Features

Bit Error Rate Testing (BERT) and jitter generation/measurement
Frame and Cell Generation with signal and performance measurements
Programmable test patterns and user-defined flow control
Store and recall functionality for up to ten test configurations
In-service monitoring and out-of-service testing modes
Analog transmission impairment measurement with VF and wideband TMS IEEE-488 interface for printer and controller integration

TTC 6000/6000A – Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the TTC 6000/6000A. 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 6000/6000A price

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TTC 6000/6000A calibration cost

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Applications

T1/E1/T3/E3 network commissioning and maintenance
ATM and Frame Relay protocol validation
ISDN endpoint testing
DDS circuit performance analysis
Datacom DTE/DCE interface verification

Compatibility & Integration The modular architecture supports over 20 interface modules including T1/FT1 Drop and Insert, DS1/DS3 ATM, 2.048M/Nx64 kb/s CCITT, 34 Mb/s adapters, G.703 64 kb/s and 8.448 kb/s interfaces, ISDN S/T TE, DDS variants, V.35/RS-449/X.21 datacom modules, HSSI, and TTL interfaces up to 52 Mb/s.

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.