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Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 12, 2026

IFR AEROFLEX

IFR Aeroflex 2853S Communication Analyzer

The IFR Aeroflex 2853S Communication Analyzer is a comprehensive testing solution for communication systems. It supports a wide range of communication standards and provides accurate and reliable measurements for signal analysis, modulation quality, and network performance. Ideal for testing and troubleshooting communication equipment in various industries.

MODEL IFR Aeroflex 2853S	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 2853S	LISTING https://aumictechlabs.com/products/2853s-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The IFR Aeroflex 2853S is a digital communications analyzer that generates and detects test patterns across PCM and data communication systems. Operating from 50 bit/s to 34 Mbit/s, it simultaneously demultiplexes and monitors framing errors and alarms at 2, 8, and 34 Mbit/s hierarchies. The instrument functions as both pattern generator and error detector, supporting framed and unframed test patterns across all levels within 8 and 34 Mbit/s signals, including 64 kbit/s and n × 64 kbit/s channels.Technical Specifications Data Rate Range: 50 bit/s to 34 Mbit/s Demultiplexing & Monitoring: Simultaneous framing error and alarm detection at 2, 8, and 34 Mbit/s Test Pattern Modes: Framed and unframed generation at all hierarchical levels Supported Standards: G.821, G.921, M.2100, G.962 analysis Framing Systems: European and North American digital hierarchies to 34 Mbit/s Common Bit Rates: 704 kbit/s, 1544 kbit/s (T1/T1 ESF/DDS), 2048 kbit/s (G.704 variants), 3152 kbit/s (DS1C), 6312 kbit/s, 8448 kbit/s (G.744), 34368 kbit/s

(G.751)Key Features Data Interfaces: RS-232, X.21, V.35, RS-449 (V.36), RS-530, codirectional, contradirectional, and optional EUROCOM Interface Modes: DTE standard; DCE optional Remote Loopback: ITU-T V.54 via control lines for automated circuit testing Measurements: Propagation delay, frequency deviation, frequency and level measurements, DTMF, and CAS Form Factors: Desktop and rack-mountable configurations Power Options: DC power and internal battery operation for field deployment Remote Control: RS-232 or IEEE-488 interfacesTypical Applications PCM circuit and equipment validation across 50 bit/s to 34 Mbit/s range Framing error and alarm analysis in digital hierarchies Pattern generation and error detection in T1, E1, and higher-order signals Data interface testing and loopback verificationCompatibility & Integration The 2853S interfaces with standard and optional data circuit protocols across North American and European digital hierarchies, enabling end-to-end testing of complex PCM and data communication networks.

Features & description

From manufacturer datasheet

Technical Specifications

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IFR Aeroflex 2853S — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the IFR Aeroflex 2853S. 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 →

IFR Aeroflex 2853S price

This IFR Aeroflex 2853S is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

IFR Aeroflex 2853S calibration cost

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Applications

PCM circuit and equipment validation across 50 bit/s to 34 Mbit/s range Framing error and alarm analysis in digital hierarchies Pattern generation and error detection in T1, E1, and higher-order signals Data interface testing and loopback verification Compatibility & Integration The 2853S interfaces with

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Unit notes

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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.