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Data Sheet

August 12, 2026

HP / AGILENT

HP / Agilent 3782B ERROR DETECTOR

Measurements: error rate, error count, error seconds, error-free seconds Gating: simultaneous metrics over a single gating period Option 001: DS-3 data input connector WECO 440A changed to BNC Specs from HP/Agilent 3782B product listings. Detailed bit-rate tables vary by installed options—confirm DS-n rates and connectors on the faceplate and option labels. The 3782B is an HP error detector for digital transmission testing. It measures bit error rate, error count, error seconds, and error-free seconds simultaneously over a single gating period. Literature commonly associates it with Bell Systems / DS-n class configurations and HP-IB control.



MODEL

HP / Agilent 3782B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3782B

LISTING

<https://aumictechlabs.com/products/3782b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 3782B Error Detector measures and analyzes bit error rates in digital communication systems with simultaneous tracking of error rate, error count, error seconds, and error-free seconds. This instrument quantifies binary, code, and parity errors to identify performance degradation and error distribution patterns across telecommunications, data networking, and digital communication test applications. Remote control and system integration are enabled through an HPIB (IEEE 488) interface supporting Bell Systems configuration. Technical Specifications Simultaneous measurement of error rate, error count, error seconds, and error-free seconds Error types measured: binary, code, and parity Interface: HPIB (IEEE 488) Dimensions: approximately 21 × 13 inches Weight: approximately 30 lbs (with HPIB) Key Features Error

distribution analysis for pattern identification and root cause analysis Preselectable error rate threshold for automated result printing and analysis Single gating period captures complete system performance snapshot Option 001 available: DS-3 data input connector (WECO 440A to BNC conversion) Typical Applications R&D validation of digital communication equipment Manufacturing test and quality assurance Field maintenance and performance optimization Telecommunications and data network system characterization Compatibility & Integration The 3782B functions as a companion instrument to the HP/Agilent 3781B pattern generator for bidirectional error analysis. HPIB connectivity permits integration into automated test systems and remote measurement suites. Standard three-prong power cord required (not always included with used units).

Features & description

From manufacturer datasheet

Features

- Simultaneous error-rate, error-count, error-seconds, and error-free-seconds
- Single gating period for correlated metrics
- HP-IB remote control
- Option 001 changes DS-3 data input from WECO 440A to BNC

Applications

- Digital transmission error-rate and error-second measurements
- Simultaneous BER, error count, ES, and EFS over one gate
- Automated test via HP-IB

3782B Characteristics / Specifications

PARAMETER	VALUE
Model	3782B
Manufacturer	HP / Agilent
Instrument Type	Error Detector
Alias	3782B; Agilent 3782B; HP 3782B
Measurements	error rate, error count, error seconds, error-free seconds
Gating	simultaneous metrics overasingle gating period
Interface	HP-IB
Configuration class	Bell Systems Notes Specs from HP/Agilent 3782B product listings. Detailed bit-rate tables vary by installed options—confirm DS-n rates and connectors on the faceplate and option labels.

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.

Specifications

Specifications

PARAMETER	VALUE
Model	3782B
Manufacturer	HP / Agilent
Instrument Type	Error Detector
Alias	3782B; Agilent 3782B; HP 3782B

Specifications

PARAMETER	VALUE
Measurements	error rate, error count, error seconds, error-free seconds
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Option 001: DS-3 data input connector WECO 440A changed to BNC

Configuration class: Bell Systems

Notes

Specs from HP/Agilent 3782B product listings. Detailed bit-rate tables vary by installed options-confirm DS-n rates and connectors on the faceplate and option labels.

Ordering Information

OPTION	DESCRIPTION
Option 001	changes DS-3 data input from WECO 440A to BNC

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

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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.