

KEYSIGHT TECHNOLOGIES (AGILENT HP)

37717B

The HP (Agilent/Keysight) 37717B is a multi-rate communications performance analyzer and bit error measuring test set designed for telecommunications network testing. It features built-in pattern generation and reception, with comprehensive error analysis capabilities that comply with ITU-T G.821 requirements. The instrument supports multiple line codings and is equipped to handle signal degradation, including significant cable loss, making it suitable for field testing and maintenance of digital transmission systems.

SPECIFICATIONS

Electrical & Optical Interfaces

Unbalanced Data Interfaces	75 Ω (at all data rates)
Balanced Data Interfaces	120 Ω (at 2.048 Mbit/s)
Line Coding	AMI, HDB3, CMI (rate dependent)

Error Injection & Measurement

Test Capabilities	Pattern generation, pattern reception, bit error measurement
ITU-T Performance Analysis Standards	G.821

TECHNOLOGY

PDH / Communications Test

APPLICATIONS

Bit Error Rate Testing (BERT) and network performance analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.