

New transmission analyzer up to 3.6 Gbit/s

Top quality for high-speed data transmission

■ Productronica 2001, Munich — For quality assurance in high-speed data transmission networks, Rohde & Schwarz now offers the new Transmission Analyzer D3371 from Advantest as a complement to the 12G BERT System D3x86. The analyzer operates at data rates of up to 3.6 Gbit/s and is primarily designed for use in research and development as well as in the production of components and systems for SDH, SONET, ATM, Gigabit Ethernet and Fibre Channel.

Even minimal component defects can massively impair the quality of service (QoS) of high-speed transmission systems. A suitable instrument such as the Transmission Analyzer D3371 can detect defects and error sources already at the development stage so that problems are avoided from the very outset. This is due to the excellent quality of the test signal which features minimal jitter and steep clock edges (40 ps). The complementary data output of the D3371 can be set flexibly and has an amplitude resolution of 10 mV and 1 ps in the phase range. The output amplitude range can optionally be extended to 3 V. This feature, which is an absolute must for special applications involving I/O modulators, for example, is a worldwide first.

The transmission analyzer provides all the standard measurement functions of a typical bit error rate tester (BERT). It offers different evaluation facilities for the wide variety of test patterns available. In addition, test signals for specific frame patterns (SDH, SONET, Gigabit Ethernet) are made available and be analyzed as required. The maximum test data rate of 3.6 Gbit/s includes the STM-16/OC-48 and Gigabit Ethernet bit rates, and moreover provides sufficient overhead for forward error correction (FEC) applications.

The D3371 is based on a PC platform. Data can be transferred using the USB port and the floppy disk drive as well as the GPIB interface and 10Base-T Ethernet. Thanks to the Windows-98-based user interface and the touch screen, the instrument can be operated very easily and intuitively.

The Transmission Analyzer D3371 is available now from Rohde & Schwarz.

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Rohde & Schwarz

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