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TECHNOLOGY GROUP

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Testing at 2 Mb/s?
Now, probe deeper . . .



ProBER 2

ProBER 2 sets new standards for handheld test power and ease-of-use

Agilent Technologies

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The handheld that takes 2 Mb/s testing beyond convention

For comprehensive 2 Mb/s circuit testing, in- or out-of-service, use the high-performance ProBER 2 handheld test set.

It has all the error and alarm measurements you'll need to verify quality-of-service in your network. Plus, a complete range of signal quality measurements including pulse mask and jitter. This unique combination means you won't waste valuable time switching to other more expensive instruments to complete your network testing.

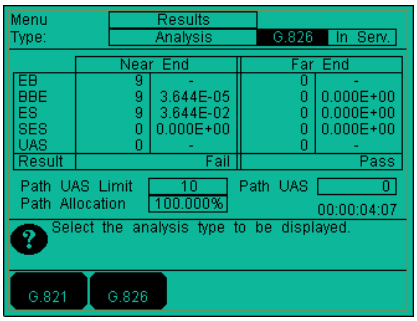
What's more, useability is enhanced with a graphical user interface that's so simple, even inexperienced technicians will find the tester easy to operate.

If you want a robust, go-anywhere handheld that extends to more than routine measurements, the ProBER 2 is the perfect choice.

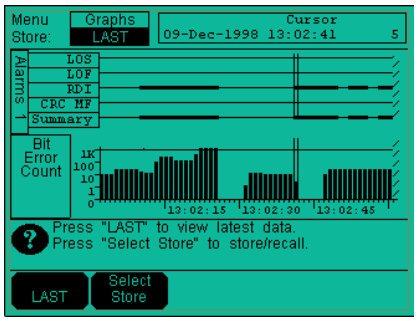


Single transmit/receive setup display

Local language on-line help



Clear results presentation, both tabular . .



. . and graphical



Compact and rugged design withstands rough handling; ergonomic shape makes the ProBER 2 a favorite with seasoned professionals and new technicians alike.

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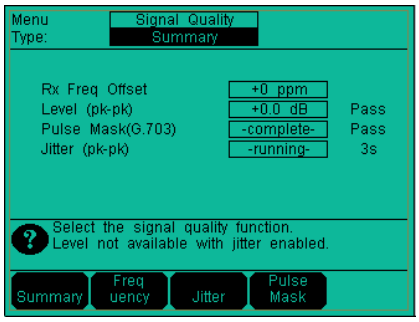


A range of signal quality measurements for faster problem resolution

Save time by quickly identifying signal quality problems before running long-term error measurements and during trouble-shooting.

With a single keystroke, the ProBER 2 rapidly identifies any frequency, level, pulse shape or jitter problem on a 2 Mb/s signal.

Measurement summary



- 2 Mb/s, n × 64 kb/s and 64 kb/s co-directional testing
- Extensive error and alarm generation and measurement
  - ITU-T G.821, G.826 and M.2100 performance analysis
  - Frequency and level measurements
  - Pulse mask measurements (+ pulse, – pulse, pulse width ratio, pulse amplitude ratio)
  - Jitter measurements to ITU-T standard O.172 (supports pointer jitter tests)
  - Delay measurement
  - VF tone generation and measurement
- Timeslot activity monitor
- Line rate offset
- Frame data control and monitoring
- Synchronization status messages
- Built-in talk/listen capability
- Thru-mode test capability

The simple approach to testing

Truely intuitive graphical user interface gives you the ability to apply even the most advanced measurement features almost immediately.

Large, easy-to-read display lets you see the full configuration and measure-ment picture, not just part of it.

On-line help is always visible to keep your tests valid and you informed. It tracks each stage of your test configu-ration and measurement results.

Bright LEDs provide real-time status of received input signal, identifying signal loss, alarm and error conditions, and alarm history.

Easy 1-step testing

Automatically configures receiver to match the input signal. LEDs let you know immediately if there are errors.

Indispensable features

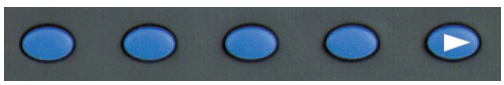
Back light ensures display is clearly visible even in dark environments.

Built-in microphone and speaker provides talk/listen capability. Beeper gives immediate audible feedback of errors and alarms during testing.

Low battery warning and battery charging indicators.

For a hardcopy of configurations and measurements simply connect to a printer and press print.

With benchtest performance in a handheld, the ProBER 2 now sets the 2 Mb/s test standard.



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Performance summary

- Comprehensive error and alarm testing plus unique set of signal quality measurements (pulse mask, jitter, level and frequency)
- Easy-to-learn, easy-to-use graphical user interface
- Auto setup mode
- 120 ohm balanced and 75 ohm unbalanced input/output ports
- 2 MHz external clock input (75 ohm unbalanced)
- Result logging to external printer
- Save/recall of up to four user-defined setups and up to 10 sets of graphical results
- More than 8 hours measurement operation from a single battery charge
- Weight: 1 kg
- EMC/EMI compliant
- Impact resistant case
- Agilent quality and reliability
- Agilent service and support

Related products



The OmniBER 718 communications performance analyzer is a rugged, portable one-box solution for installation, maintenance and manufacturing of SDH/SONET networks and network elements. It provides full PDH/T-carrier and SDH/SONET capability up to 2.5 Gb/s, including STM-16c/OC-48c payloads and jitter.

Ordering information

ProBER 2 (E7580A)
2 Mb/s handheld test set
includes ac adaptor, operating manual and BNC loopback cable.
Option 001: Advanced signal quality measurements (adds 2 Mb/s pulse mask, jitter, level and frequency measurements).
Option 002: 64 kb/s co-directional interface.
Option 003: M.2100 performance analysis (including M.2110 and M.2120).
Option 020: Soft carrying case.
Option 031: Latin American Spanish localization.
Option 032: Brazilian Portuguese localization.
Option AB2: Chinese localization.
Accessories
15730B: Lightweight, battery-operated thermal printer (40 column) with 230V power supply. Specify Option 100 for 100V power supply and Option 120 for 120V.
15736A: RS-232-C printer cable (9-pin male to 9-pin female).

Agilent Technologies manufactures the ProBER 2 2 Mb/s handheld test set under a quality system approved to the international standard ISO 9001 plus TickIT (BSI Registration Certificate No FM 10987).

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage

Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

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