

The SunLite BRI simplifies ISDN Basic Rate provisioning and troubleshooting routines while providing more diagnostic power than is available in many larger portable test sets. The SunLite BRI simplifies testing by:

- Using a larger display to more quickly lead a technician through set-ups
- Featuring more LEDs to immediately show the status of a broader range of circuit conditions
- Including a few extra buttons to instantly access commonly requested functions
- Incorporating timesaving service scans to quickly verify service provisioning at the exchange
- Displaying D-channel message to help take the guesswork out of troubleshooting.

The SunLite BRI puts a broad range of ISDN Basic Rate tests in a package which fits in your shirt pocket:

- S/T and U interface testing
- Ability to place and receive voice, data calls
- Support for two simultaneous calls, voice and data
- Single keystroke B1, B2 and auto B-channel selection
- X.25 PVC in D-channel testing
- Automatic service scan
- Supplementary service scan
- Powered from the BRI or NiMH batteries
- 4-line backlit LCD screen
- Support for DTMF on the B-channel
- D-channel message buffer
- ITU-T G.821 BERT analysis with test result storage
- U interface EOC loop commands
- 40 and 96 kHz tone generation
- Analog line (POTS) testing



SPECIFICATIONS

CONNECTORS

S/T interface: RJ45
 U interface: RJ45
 Serial Port: RJ11
 Line (POTS): RJ9

INTERFACE

S/T interface
 ITU-T Rec. I.430/ETS 300 012
 Impedance: 100Ω, high Z selectable
 U-interface
 ANSI T1.601/ETR 080
 Line code: 2B1Q
 Serial Port
 RS-232C (V.24), DTE mode 9600 baud, 8 data bits, no parity, 1 stop bit
 Line: POTS
 DTMF and DP Dialing

PROTOCOL

ETSI

D-CHANNEL MESSAGE BUFFER

Approximately 200 messages storage

POWER SOURCE

Interface feed: S/T or U interface
 Internal battery: NiMH
 AC: via AC adapter

INFORMATION/STATUS/ALARM DISPLAY

4-line x 20 characters, backlit
 LCD with contrast control
 Power & low battery charge LED indicator
 Status LED Indicators
 U-SIGNAL, ST-SIGNAL
 U-PWR, PS1, PS2
 B1, B2, D
 BERT1, BERT2, ERROR

ANSWER MODE

Manual, automatic terminate or loop

DIAL METHOD

En-bloc, overlap selectable

VOICE COMPANDING

A-law, μ-law selectable

MEASUREMENTS

BERT analysis
 Error analysis: conforms to ITU-T Rec. G.821
 Error count, error ratio, ES, %ES, SES, %SES, EFS, %EFS, UAS, DGRAM, %DGRAM
 5 min., 15 min., 1 hr., or continuous measurement time
 Test start/stop control
 10 BERT non-volatile stores
 Bit error injection
 511 PRBS to ITU-T Rec. 0.153
 2047 PRBS to ITU-T Rec. 0.152, 0.153
 S/T interface code error and frame error counters
 U interface NEBE and FEBE counters

X.25 OVER D-CANNEL

PVC

LCN 1 to 16

Automatically send prede fined data packet on selected LCN

LT-U EOC LOOPBACK

Emulation mode: LT

ANSI T1.601 eoc commands

Operate 2B+D loopback

Operate B1-channel loopback

Operate B2-channel loopback

Request corrupted crc

Notify corrupted crc

Return to normal

Hold state

AUTO SERVICE SCAN

Bearer Services and Teleservices

Speech, 3.1 kHz Audio, 7 kHz

Audio, Data 56 kbps, Data 64 kbps, 3.1 kHz Telephony, Data 64 kbps Telephony, Fax G.2/3, Fax G.4,

Mixmode, Processable

Form, Videotex, OSI

SUPPLEMENTARY SERVICES

AOC-D/E/S, CFB/CFNR/CFU, CLIP/CLIR, COLP/CLOR, CW, DDI, HOLD, MCID, MSN, SUB, TP, UUS

TONE GENERATION

S/T Interface: 96 kHz

U Interface: 40 kHz

GENERAL

Dimensions (mm): 175 (l) x 75 (w) x 35 (d)

Weight: 250 grams (without battery)

Operating temperature: 0 C to 50 C

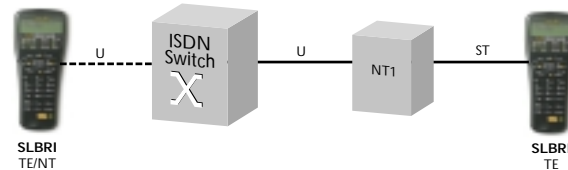
Storage temperature: -20 C to +70 C

Humidity: 5% to 90% non-condensing

SUNLITE BRI APPLICATIONS

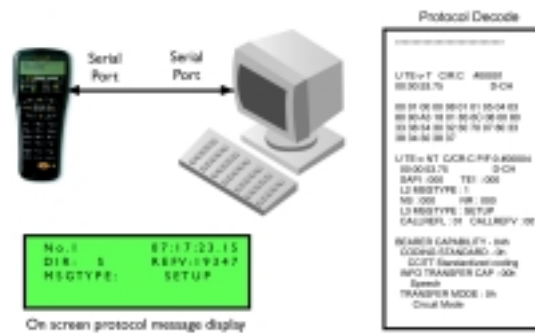
ISDN Circuit Testing

Place and receive calls and perform service tests from either the U or S/T interface



ISDN Protocol Analysis

Capture message in call emulation mode for circuit troubleshooting



ISDL Circuit Testing

Perform eoc loop of an NT and run a BERT from the U Interface



SERVICE & SUPPORT

Sunrise Telecom is proud to give its customers excellent service and support. Technical assistance is available 24 hours a day from local representatives in over 70 countries, from factory experts, on the Internet, and via Sunrise's toll-free customer support line.

Contact Sunrise Telecom to find your local Sales Representative or Distributor and discover how the SunLite BRI can solve your testing needs.

Customer Support

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Note: Specifications subject to change without notice.

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