

D2000 Lite

ISDN BRI - PRI Combi Tester



Entry level test set for BRI and PRI

Complete range of fundamental ISDN tests

Headed to everyday job

Lightened from the more particular features

Powerful and direct as never before

Aimed to everyday ISDN line problems



The D2000 Combi Tester is the culmination of thirty years of experience that Aethra has in the development and production of test instruments.

It has been designed to meet the requirements of technicians working in the Telecoms industry, offering the most performed ISDN tests used to qualify the line .

Wide Range of Features

The D2000 Lite has been thought on purpose for those who need a very powerful device but aimed to the classic installing, maintaining and troubleshooting operations over ISDN lines. Implementation of the main tests and features used by technicians in everyday job, makes the D2000 Lite a smart and noteworthy device.

Graphic Interfaces

The device maintains all the characteristics of robustness, reliability and easy handling which identify the already affirmed Aethra®'s testers. The graphic user interface and the bright and wide display remain unchanged as well and, the intuitive navigation through setups and result pages, completes the winning attributes belonging to this device.

Smart Status™

Still important and very helpful to troubleshoot problems is the Smart Status™ feature with which you can verify and keep under control alarms, errors occurring over the line, as well as channels, layers and device status monitoring. Everything is displayed in real time just by pushing one button and while the test is running.

D2000 Lite

Technical Specifications

Telecom Interfaces

- Basic Rate Access
 - S/T ITU-T (CCITT) Rec.I.430, ETS 300 012
 - U 2B1Q and 4B3T, TS 102 080
- Primary Rate Access
 - E1 ITU-T (CCITT) Rec.I.431, ETS 300 011
 - 2Mbit CCITT G.703 / G.704

Protocols Supported

- On board : EDSS-1, Q.SIG, 1TR6, VN4, X.25
- Other protocols available by PC : V.5.x, NI1, DMS100, CorNet®, 5ESS, TN1R6®, DASS-2, DPNSS

Operating Modes Available

- Basic Rate Access : TE-S, MON-S, NT-S, NT-U, LT-U (LTU-2K option)
- Primary Rate Access : TE-E1, MON-E1, NT-E1, MON-E1 PMP (D2021 option)

Smart Status™

- G.826/M.2100 (only PRI) : ES, SES, BBER, UAS
- ISDN line : ISDN layers 1, 2 and 3 status
- B channels B channels activity
- Frame Relay [IP2K-Lite] : DLCI, LMI, and quality test

Background Monitor

- Modes : Passive and during simulation
- Protocol analysis on-board
- Programmable filters : Filters capturing and displaying
- Statistics information
- Analysis of the results stored on PC PC108 for Windows™

Bit Error Rate Test

- G.821 statistics ES, SES, US, DM, PASS/FAIL, S-LOSS
- Pseudo-Random bit sequences User definable 211-1, 215-1, 223-1, 16 bits octet
- Error Injection User selectable, manual, automatic, single
- Round trip delay

X.25

- Logical Types DTE, DCE
- Tests Traffic generator, Echo port

Generate Traffic

IP [IP2K-Lite]

- Modes : IP routed, IP over PPP (Client and Server)
- IP address supported : Static, Dynamic
- Authentication protocol : PPP PAP, CHAP (MD5)
- Protocols : PPP, IPv4, UDP, DNS, DHCP, ICMP, TFTP

Frame Relay [IP2K-Lite]

- Frame Relay Forum : FRF.1.1, FRF.3.1, FRF.12.1, FRF.14
- Type of traffic : IP, IP over PPP
- LMI : ITU-T Q.933, ANSI T1.617, original LMI CISCO
- Physical : G.703, G.704
- QoS statistics : FECN, BECN, DE, NLPID, DLCI, FRF.12

U-BUS Loop Qualification Tests

Advanced Loop-Box Features

Automatic Access Test

History and Predefined Tests Features

Environmental Characteristics

- Dimension
 - Weight, with battery : ~1 kg
 - Dimensions (mm) : 130 (w) x 260 (l) x 65 (d)
- LCD : display 240x200 Graphic display
- Power
 - Battery Type : echargeable, Ni-MH
 - Battery life ~3 hours @ 25°C, LCD back-lit off
 - External AC/DC adapter : 115/230Vac±10% @ 50/60Hz

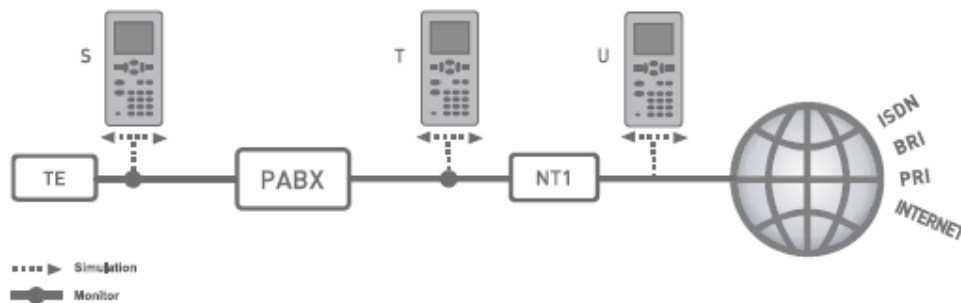
Temperature

- Storage/Transport : - 40oC to +70oC
- Operating, nominal : - 5oC to +45oC
- Humidity, non-condensing : ≤ 93% RH @ 40oC
- CE Marking : Class B (residential devices)

Options

- LT-U2K : BRI LT-U simulation
- MMC2000 : MultiMediaCard Memory extension
- PC108XP : Multi protocol decoding for PC
- Other protocols on request : TN1R6®, X.31, DASS-2, DPNSS, CorNet®-N, -NX, -NQ, -T
- IP2K-Lite : IP suite plus X.25 over B channel and Frame Relay layer

OPERATING MODES



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