

PRODUCT DESCRIPTION:

NG Harrier is a two part test system that overcomes the complexity associated with installing commissioning and maintaining ISDN circuits. The PC software component commands the hand held test instrument to comprehensively test an ISDN installation and store the results. The inherent capability of the PC is used to display hypertext information on the tests and how they relate to the ISDN service to virtually eliminate the need for training. The hand held component can operate independently of the PC to allow quick verification of the U-Interface, S/T-Interface, and derived POTS interface. Optional components include Passive Monitor to trace the D-Channel activity of connected Terminal Equipment, Protocol Analyser to decode the D-channel protocol, NE Mode to emulate the network and So Test adapter to test the S-Bus wiring.



- Hover Help System
- Active Buttons
- Automatic Testing Scripts
- User editable help files
- Configuration data file system
- Automatic Access Detection
- Signal Level Measurement
- PC or Hand Held Operation
- One key voltage and signal level measurement
- Measurement of round trip delay and inter-channel delay

FEATURES:

- Targeted Help
- Connection diagrams
- Automatic storage of results
- BRI, U and POTS interfaces in TE mode
- CLIP function on POTS Access
- NiMH or Alkaline Operation
- Comprehensive service testing
- BRI Powering Mode
- Flash ROM for PC Upgrade
- HF detection on POTS Interface
- Download of results to PC
- POTS DTMF Monitor
- Called, Calling and Connected number display
- POTS interface voltage measurement
- D Channel Trace Mode
- Handset automatic test mode
- Voice Announcement
- Telephony Button
- Simulation of X.31(D) terminal to X.25 network
- Display of Layers 1-2-3 and the B-channel status
- Power supply and battery charger
- Backlit 4 Line LCD
- User selectable language

NG Harrier ISDN Knowledge Based Tester

Test Screens

The tests required to effectively characterise an ISDN installation are presented on three screens. All the information related to each Screen is available by moving the mouse pointer over the subject text.



Services Testing Screen

The purpose of this screen is to present information about the services available on the circuit being tested.

Available services are determined by a number of factors including switch type, type of interface, national deployment, ISDN version and customer subscription. The above factors are used to determine which services can be tested and a default set of tests are selected.

By using the "Clear" and "Set" buttons together with the "tick boxes" any combination of the available services can be tested. Failures on this screen may be due to the fact that the service is "not available" or that the service is "not subscribed". Moving the mouse over a Red box will display the reason for failure.

As failures on this test screen may only indicate that the service is "not available", a failure of this type may not affect any subsequent testing.

ENVIRONMENT

Operating temperature: -10°C - $+50^{\circ}\text{C}$

Storing temperature (under shade): -15°C - $+70^{\circ}\text{C}$

Relative Humidity: up to 95 % , non-condensing

CE marking: complies with CE directives

User safety: EN 61010-1, EN 60950

ORDERING INFORMATION:

M0311 Standard package:

Comprising PC software CD including User Documentation, Quick Reference Guide, Serial Cable (9 pin D type to RJ45), Hand Held Tester, Rechargeable NiMH batteries, Plug-in power supply, RJ-45-BRI connection cable, U / POTS interface connection cable, Carry bag.

Options:

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| M0302- 00A S-Bus Wiring Tester | - Comprising Test Adaptor and Patch cord |
| M0302- 10A Passive Monitor | - Comprising Software Key and "Y" Connector |
| M0302- 30A Network Emulation (NE) | - Comprising Software Key and application specific cable |
| M0302- 40A D Channel Analysis Software | - Comprising Software CD and User Instructions |
| M0133- 50A Vehicle Charger | |

SPECIFICATIONS

Hand Held Component

Alternatively powered from ISDN BRI, standard batteries (3x 1.5V AA (LR6)), NiMH or the power supply.

- Low power consumption: 180-350 mW (POTS, S/T)
- Battery lifetime: 15-33h (POTS,S/T), depending on type of battery
- Keypad: 16-keys, 2 cursor keys, 3 context-specific softkeys
- LCD Display: 4 lines with 16 characters each, backlit
- Indicators: 5 LEDs to indicate status (ISDN Layers 1-2-3, PC Trace, power supply)
- Interfaces: RJ-45 line input for POTS / U / ISDN, RJ-45 serial interface to PC, RJ-11 for optional headset
- Dimensions: H 230 mm W 72 mm D 30mm
- Weight: 350g (without batteries)

PC Software Component

Minimum requirements: Windows 98, NT, 2000 or XP, Intel Pentium 133MHz or equivalent, 32M Byte RAM, 12M Byte Disk Space, SVGA Compatible Graphics

