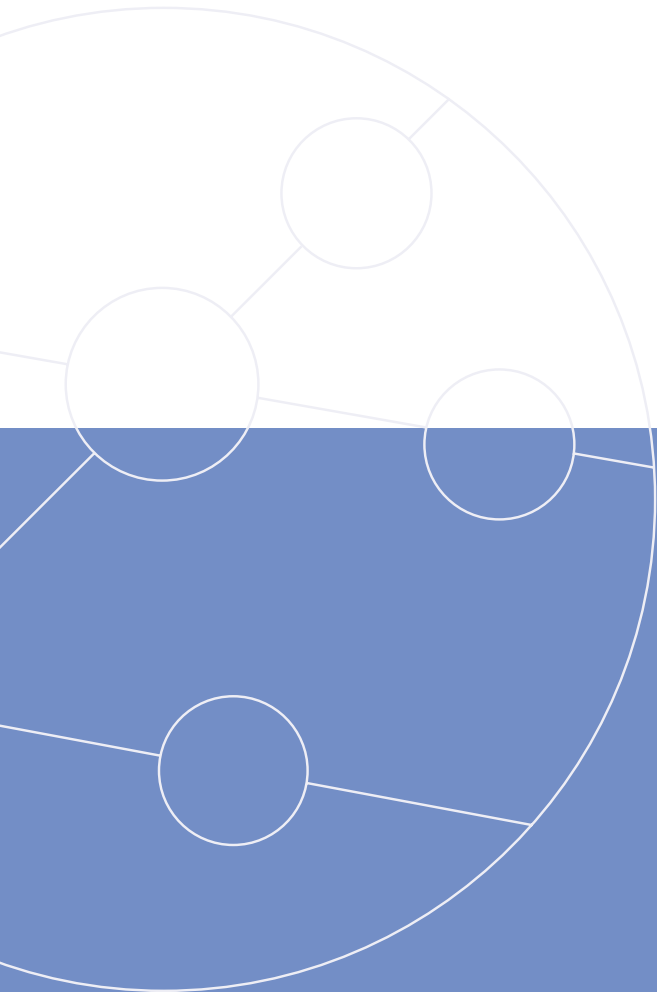# **Aurora**Plus

ISDN Test Equipment

ISDN

Hand-held Testing for Basic Rate ISDN

TrendCommunications

The **Aurora**Plus is an easy-to-use hand-held Basic Rate ISDN tester for the communications technician who needs a rapid and reliable, yet easy-to-use installation tool. Operated through a simple menu interface, the **Aurora**Plus can locate faults and isolate problems quickly and easily.
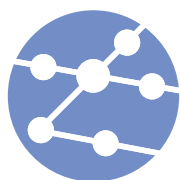
The **Aurora**Plus can test most ISDN call and connection types at the U-interface and on the S-Bus, including point-to-point and point-to-multipoint operation.

In both modes it simulates the interface activity of Terminal Equipment (S-Bus) or the combined functionality of the Network Terminator and associated terminal (U interface). It has Fixed Links mode to allow testing between PBX without protocol.

The standard protocols are Euro-ISDN (ETSI), with VN4 or 1TR6. Other protocols can be supplied. In addition the **Aurora**Plus can verify and test D-Channel X.25 provision.

The **Aurora**Plus with battery power, also provides the capability to perform POTS monitoring and testing.

For the installation engineer who may need to identify individual circuits in wiring bundles which contain a mix of technologies, there can only be a benefit in not changing equipment.
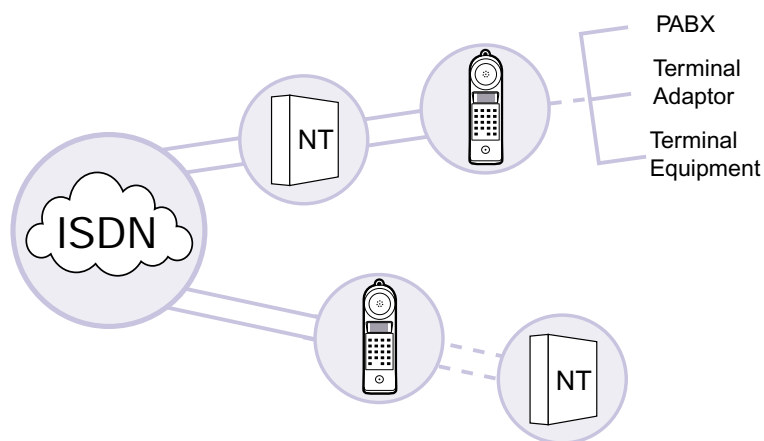
AuroraPlus
Affordable BRA ISDN Testing

Applications

- Automatic teleservices and Supplementary Service testing
- Simultaneous B-Channel calls
- Loopbacks and Bit Error Rate Testing
- X.25 packet test
- Display of Near End/Far End block error count on 2B1Q U-interface
- Analogue (POTS) testing (simulation) and monitoring capability
- 40 KHz tone generation for Loss Testing (TIMMS)

ISDN

NT

PABX
Terminal Adaptor
Terminal Equipment

NT

- Clear Initialisation and Layer Activation information
- Intuitive menu structure and navigation
- Battery operation
- Telephone functionality
- Storage of protocol data for subsequent on-screen review or upload to **Aurora**Expert

- Selectable Built in Termination Resistor
- 4 lines x 12 character Display
- Keypad providing direct DTMF support with * and # for B-Channel or analogue operation
- One button automatic testing
- Test results storage to flash memory
- Bi directional RS-232 port for printing results and software downloading
- Results export in CSV format

Features

technical
Data

AuroraPlus

Operational data

Interfaces	S and U through single RJ45 socket
	RS232 8pin mini DIN
U Interface encoding	2B1Q or 4B3T
Protocols	Euro-ISDN (ETSI), VN4 and 1TR6
BERT tests	1 minute; 5 minute; 15 minute, Custom and Continuous durations
	2047 PR pattern according to CCITT recommendation
	O152/O153
	Test stop and Error Inject facility
Analogue loop resistance	<540ohms
Analogue monitor impedance	3Kohms
Power supply	From connection to ISDN line under test or from internal NiMH battery providing 8hm ISDN/15hm analyser operations

Environmental

Dimensions (mm)	70(w) x 235(l) x 90(d)
Weight (inc cables)	680gms
Temperature	Operational; -5°c to 55°c
	Storage; -25°c to 75°c

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A Member of the Telemetrix plc Group

Distributor

To arrange a demonstration or to obtain the latest information on the Trend **Aurora**Plus or any of Trend's other test equipment, contact your nearest Trend Distributor.

Trend **Aurora** is a registered trade mark of Trend Communications Ltd.

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