

ACTRIS S/U

ISDN Basic Rate Access (S0/T0) and U Interface (2B1Q) protocol and traffic analyzer



The **ACTRIS S/U** is an **ISDN** protocol analyzer allowing you to deal simultaneously with the S/T and U interfaces of **ISDN** Basic Rate Accesses. Autonomous and easy to use, the **ACTRIS S/U** is the adequate tool for installation, maintenance and troubleshooting of installations connected to **ISDN** BRA..

✍ **S/U interfaces analysis:** U interface information decoding allows you to identify the faulty equipment on the local loop: repeater, Line Termination, Network Termination or Terminal Equipment. The information extracted from the U interface allows you to maintain the customer premises from operator site.

✍ **Protocol Analysis :** Connected to a PC, **ACTRIS S/U** is compliant with the **ACTRIS Windows™** software. **ACTRIS S/U** is then an improved D and maintenance channels (U interface) protocol analyzer (EDSS1, VN6, 1TR6, Q.SIG, N-ISDN, X.25...). Results are stored on the **ACTRIS S/U** probe or transferred automatically to your PC. You benefit from many software facilities in order to identify network faults and to export results in common data format.

✍ **Call Data Records :** This application full part of **ACTW eXpert** provides you a clear synthesis of all calls captured. No need to be an expert in protocol analysis to understand what is going on in the network. Filtering functions help you to quick focus on the relevant information.

Applications

- ✍ Installation, commissioning and maintenance of ISDN Basic Rate Accesses,
- ✍ Installation, commissioning and maintenance of ISDN equipment (PBX, terminal equipment, Network Termination),
- ✍ Troubleshooting and maintenance of public and private networks,
- ✍ Maintenance of applications thanks to B channels extraction (data option),
- ✍ Billing application,
- ✍ Customer premises traffic analysis and optimization (REGLIS software option),
- ✍ Remote maintenance.

Main Functions

- ✍ Basic Rate Access diagnosis thanks to LEDs,
- ✍ Simultaneous S/T and U interface analysis,
- ✍ CI channel analysis and Embedded Operation Channel decoding,
- ✍ Real Time and Off line ISDN D channel protocol analysis (EDSS1, VN4/VN6, 1TR6, TN1R6, Q-SIG, DPNSS, DASS2, X.25),
- ✍ Call Data Records (Traffic analysis),
- ✍ Real Time and Off line Filtering,
- ✍ Remote control through ISDN or PSTN (through modem),
- ✍ ISDN Data Collect (option).

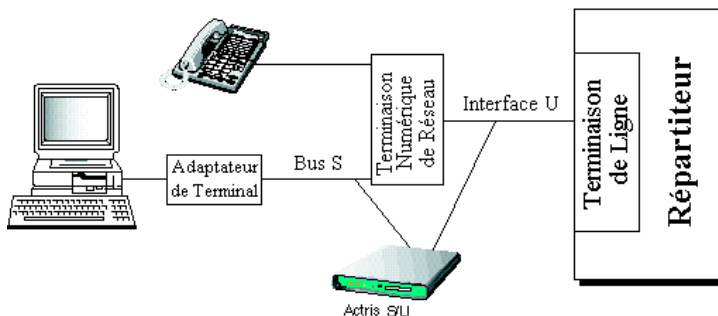


ACTRIS S/U can be easily connected to ISDN network through two RJ-45 connectors for BRA and through a specific connector at the U interface.



RS-232 PC/Modem Power supply Daisy Chain RJ-45 Interface S/T Connector at the U Interface

ISDN BRA simultaneous analysis with S0/T0 and U (2B1Q) interfaces



ACTRIS S/U is a versatile test equipment which allows you to analyse ISDN signalling at the U and S0/T0 interfaces.

ACTRIS S/U decodes D channel signalling at the different reference points and allows you to maintain customer premises from operator-site.

ACTRIS S/U decodes U interface specific information (CI maintenance channel and Embedded Operation Channel) providing a complete a complete diagnostic to identify the U interface troubles.

Technical specifications

Interfaces	Basic Rate Access	U Interface
Reference Point	S0/T0 (2B+D)	U 2B1Q (2B+D, CI channel)
Electrical Characteristics		
Standards	ITU-T Rec. I.430 ETS 300 012	ANSI T1.601 ETR 080
Connector	2 x RJ-45	Specific Connector
Impedance	High Impedance.	Low insertion loss
Protocol Analysis		
Protocols supported	EDSS1*, Q.931, VN6*, QSIG*, X.25/D, ITR6, TRN1R6, DASS2, DPNSS *: Including decoding of additional services. Control Indicate channel Decoding , overhead bits and EOC Monitoring.	
Filters	Real Time and off line : frame type, TEI, SAPI, information element, addresses, call reference ...	
Miscellaneous		
PC interface	RS 232 for PC remote control or modem connection.	
Weight	1.1 Kg	
Size	230 x 220 x 35	
Power supply	12 V / 500 mA	

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