



# ACTRIS S & ACTRIS S0

## ISDN Basic Rate Access (S0/T0) protocol and traffic analyzer



The **ACTRIS S & ACTRIS S0** are two **ISDN** protocol analyzer allowing you to capture and decode all the signaling that occurs at the **ISDN** Basic Rate Accesses. Autonomous and easy to use, the **ACTRIS S & ACTRIS S0** are the adequate tool for installation, maintenance and troubleshooting of installations connected to **ISDN** BRA..

✂ **S interfaces analysis:** signaling information decoding allows you to identify the faulty equipment on the local loop: Network Termination or Terminal Equipment.

✂ **Protocol Analysis :** Connected to a PC, **ACTRIS S** is compliant with the **ACTRIS Windows™** software. **ACTRIS S & ACTRIS S0** are then an improved D and maintenance channels protocol analyzer (EDSS1, VN6, 1TR6, Q.SIG, N-ISDN, X.25...). Results are stored on the **ACTRIS S & ACTRIS S0** 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),
- ✂ Customer premises traffic analysis and optimization (REGLIS software option),

### Main Functions

- ✂ Basic Rate Access diagnosis thanks to LEDs,
- ✂ Simultaneous S/T interface analysis,
- ✂ 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).

#### WAVETEL

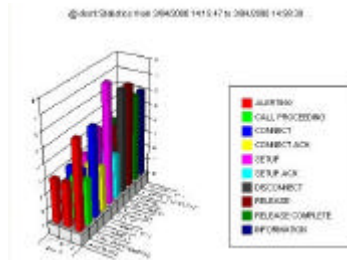
Test & Mesure en Télécommunications / Analyse de trafic WAN et Internet  
SARL au capital de 50.000 Euros

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## Protocol Analysis with ACTW eXpert

The **ACTRIS S ET ACTRIS S0** probes are compliant with the ACTW Expert software offering powerful troubleshooting and maintenance functions :



### ISDN Protocol Analysis :

Complete decoding of layers 1, 2 et 3 with a wide selection of display formats,  
 Complete decoding of public and private protocols for ISDN :  
 EDSS1, Euro-ISDN, QSIG, CorNet N, CorNet-NQ,T-NET, DPNSS, DASS2 ...  
 Decoding of segmented frames,  
 Contextual text and message user-defined filters

### ISDN Call Data Records :

The Call Data Records provides a clear synthesis of all the telecommunications that occur on one or several ISDN, V5 or SS7 accesses.

**A Pre-header with statistical analysis allows you to detect immediately the release causes of unsuccessful calls and the B channel usage of the telecommunication infrastructure under analysis.**

### Statistics :

Statistics provides an overview of one or several accesses and allows you to detect the presence of specific trouble related messages as for instance : STATUS, REJECT, NOTIFY ....You can easily check the Layer 2 and Layer 3 behaviour. The graphics are user defined and can be exported into you reports.

## Technical specifications

Interfaces	ACTRIS S	ACTRIS S0
Storage Capacity	64 Koctets	4 ou 10 Mo
Reference Points	S0/T0 (2B+D)	S0/T0 (2B+D)
<b>Electrical characteristics</b>		
Standard	ITU-T Rec. I.430 ETS 300 012	ITU-T Rec. I.430 ETS 300 012
Connectors	2 x RJ-45	2 x RJ-45
Impedance	High Impedance.	High Impedance.
<b>Protocol Analysis</b>		
Protocol implemented	EDSS1*, Q.931, VN4/VN6*, Q-SIG*, X.25/D *: Including supplementary services decoding	
Filters	Real time and off line, L1, L2 L3 , text filters ...	
<b>Miscellaneous</b>		
PC interface	RS 232 for PC or modem connection.	
Weight	0.5 Kg	1.1 Kg
Size	200 x 110 x 25	230 x 220 x 35
Power supply	12 V / 500 mA	

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