FEATURES

- BRI TE and NT simulation, monitoring
- PRI TE and NT simulation, monitoring
- Dual U interface for troubleshooting between the NT and the Exchange
- B-channel voice and D-channel signaling monitor
- EDSS1, V5.1/V5.2, QSIG, SS7 protocols
- Analysis of CAS (R1,5; R2)
- Automatic test of the supplementary services: CLIP, CLIR, COLP, COLR, CFU, CFB, CFNR, AOC, DDI, SUB, UUS
- Physical Layer testing
- Power feeding measurements with external adapters
- BERT bit error test with evaluation in accordance to G.821 / G.826
- Large store-recall memory for test results
- PC software for analysis of signalling data and control
- Selectable English or Russian languages
- LED indicators showing status of line signal

APPLICATIONS

The **ISDN ANALYSER EIT 10** is a hand-held battery operated, multifunction - measuring instrument, intended for testing and qualifying Basic & Primary Rate ISDN.

The EIT 10 provides a complete range of test functions for installation and maintenance of the ISDN.

In the simulation measuring modes, the EIT 10 can be used at different reference points to check the functions of the ISDN.

In monitor mode, the EIT 10 can monitor B-channel voice and D-channel signaling. It displays and records the decoded D-channel data. The EIT 10 is the ideal solution to find out and solve the problems arisen during the operation of the ISDN.

The analyser can function as a telephone handset for performing in-service talk/listen or it can monitor voice quality and tones.

MEASURING MODES

Simulation
    TE Mode: simulates the TE towards the NT and checks the ISDN services
    NT S Mode: verifies operation of TEs without making calls into the ISDN
    NT U Mode: simulates the NT towards the exchange
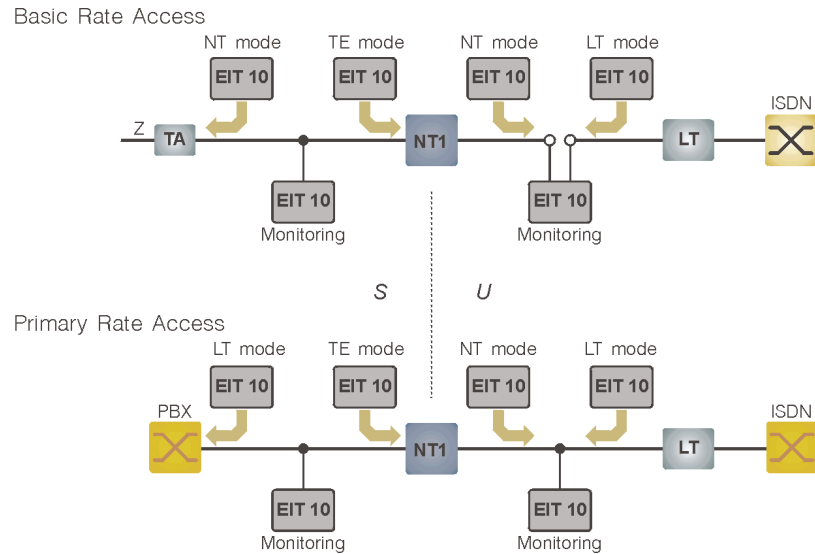   LT Mode: simulates the LT and checks the local loop.

Monitoring
    S: monitors both the NT-TE and the TE-NT directions
    U: works as an U-interface repeater
    PRI: monitors 2 Mbit/s lines and decodes different protocols.

Measuring arrangements

Basic Rate Access

Primary Rate Access

SPECIFICATIONS

Basic rate access (2B+D)

S interface

Electrical characteristics	ITU-T Rec. I.430, ETS 300 012
Connector..	RJ 45
Mode	high impedance,100 Ω
Power feed	external, PS1

U interface

Layer 1 specifications..	ETSI
Connectors...	RJ 11
Code...	2B1Q
Mode	LT, NT, Repeater
Power feed	external

Primary rate access (30B+D)

E1 interface

Electrical characteristics	ITU-T Rec. I.431, ETS 300 011
Connector..	RJ 45
Mode	75 Ω, 120 Ω, high impedance
Receiver sensitivity...	>30 dB

CLK interface

Input	ITU-T Rec. G.703
Connector...	RJ 9

Coding law

Selection by software	A law, µ law

General specification

Power supply
 Internal rechargeable battery pack

Operation time............................	approx. 8 hours
External charger...........................	mains adapter
Charging time............................	less than 3 hours
Display.............................	320 x 240 dot graphic LCD with backlight
LEDs.................	18pcs (general, settings, line states)
Serial interface..	USB 1.1

Ambient temperature range

Operating	0 to +50℃
Storage and transport	-20 to +70℃
Dimensions.................................	224 x 160 x 44 mm
Weight (including battery pack)	approx. 1.5 kg

Ordering information

ISDN ANALYSER EIT 10 354-000-000

Including:
 Operating manual
 Mains adapter
 Measuring cable set
 U2 Power feed
 S Power feed
 USB cable
 Carrying case
 Demo program

Option:

SS7 protocol	SW 354-510-000
V5.1/V5.2 protocols	SW 354-530-000
PC software for analysis of signalling data and control	SW 354-540-000
Analysis of CAS	SW 354-550-000
Calibration Report	CR 354-000-000E