



2 BRI ISDN/IDSL Emulator

emutel™ | Solo is a small, portable lightweight battery powered basic rate ISDN and IDSL network simulator. With 2 software switchable S/U interfaces and the choice of either Euro-ISDN, North American or NTT support, emutel™|Solo allows you to test and demonstrate all types of BRI equipment on one compact unit.

emutel™ | Solo is an ideal demonstrator tool that comes in a padded carrier case for your convenience. There is a universal power supply which switches between 240V and 110V plus the added benefit of a rechargeable internal battery so you can use the unit anywhere - at customer sites, during presentations or at exhibitions at home or abroad.

Small, portable and lightweight battery powered basic rate ISDN network

Different versions simulate Euro-ISDN, North American or NTT networks

Two S/U software selectable Basic Rate ISDN Interfaces allow you to simulate all of the functionality of a regular ISDN line and much more

Simple configuration using Windows application or ANSI based terminal

Helpful LEDs show the status of each interface at a glance

Delays on B channels test effects of satellite delays on videoconferencing equipment

Semi - permanent / nailed - up connection for testing leased line operation

X.25 for testing and demonstrating packet switching equipment

Power feeding supported on BRI interfaces

Universal power supply allows you to use emutel™ | Solo in any country

emutel™ | Solo's weight, size and battery power unit make it a convenient portable network for exhibitions and on site customer demonstrations

By simulating the operation of a Central Office switch, **emutel™ | Solo** provides two software selectable ISDN (S [4wire]) / U [2wire]) connections which may be used just like regular ISDN lines or employed to carry out equipment testing.

Almost every feature of **emutel™ | Solo** can be customised, for example, the entire directory numbering structure can be changed. Special numbers activate network conditions such as User Busy or Call Rejected. Line power can be switched on or off and delays can even be introduced into the B channels to emulate satellite links.

emutel™ | Solo is also extremely easy to use with indicator LEDs showing at a glance what each terminal is doing and a windows application program allowing simple device configuration.

emutel™ | Solo is powered from an external universal power unit or from an internal 0.8AH 12V rechargeable battery. At just 1.5 Kg emutel™|Solo is easily portable and, since terminals can be powered directly from the interfaces, it really is the ideal system for use at demonstrations, presentations and exhibitions.

2 BRI ISDN/IDSL Emulator



BRI Interface	2 S/U software selectable
BRI Interface Power	40V, 1W Normal and Restricted on S; 55V, 1.5W Normal and Sealing on U
D Channel Packet	X.25 on BRI1/BRI2, 100 logical calls in DCE mode
Display Indicators	P (physical), D (datalink), S/U operation port power status and B1/B2 (B channel) per interface
Network Variants	Euro-ISDN (Europe), North American (NAT-1/DMS100/5ESS) and NTT (Japan)
Semi-Permanent Connection	Semi-permanent/nailed-up connection on BRI B channels
User Interface	Windows application or VT100 Terminal (V.24 Interface DB9 connection)
B Channel Delay	0-750 ms on Interface 1, B1 and B2 independently
Directory Numbering	Two numbers per interface normal, ten numbers per interface if using DDI/MSN and one number per interface for auxiliary working
Test Tones	Dial, Busy, Error, Ringing and Selected Tones 300Hz-3400Hz, +3dBm to -26dBm
Power Requirements	18V DC/ Internal Battery (Power Adapter Included)
Environmental	0-50oC, 10-80% Humidity (Non Condensing)
Weight	1.5 Kg
Size	5cm(h) x 16cm(w) x 19cm(d)
Warranty	emutel™ Solo is supplied with one year's product warranty

Typical test setup using emutel™ Solo



arcatech - a world leader in emulation since 1993. Our product portfolio includes the emutel™ range of ISDN PRI, BRI and analog Central Office simulators,

emutel™ | Symphony
ISDN simulator,

emutel™ | Maestro
xDSL simulator,

emutel™ | Virtuoso
V5.1 and V5.2 simulator,

arcaplex | Horizon
ISDN multiplexer,

emutel™ | Harmony
Voip and PSTN call generator and network simulator and

arcareach | Sigma
S-bus extender.



arcatech Ltd
210-212 Enterprise Centre
Ballinderry Road
Co. Antrim
BT282SA Lisburn
Northern Ireland

UK: +44 (0) 28 9267 7204
US: 1 800 375 9925

F: +44 (0)28 9260 5353

E: sales@ractech.com

W: www.arcatech.com