

GLOBECALL

INTERNATIONAL CALLER ID SIMULATOR



- Multiple country specifications
- On-hook and Off-hook Caller ID
- Call Waiting supported
- FSK (V23 or BELL 202) and DTMF Caller ID
- TAS & CAS tones generated
- Line Reversal and ringing at start up
- Adjustable ring level with 25/50 Hz option
- Adjustable signal level

The Globecall is the ideal instrument for demonstrations, exhibitions or training where temporary access to a line with Caller Display is required. As well as providing Caller Display simulation in a compact box, the Globecall is simple to use by non-technical personnel.

The Globecall is also useful to the engineer engaged in repair, QA acceptance testing or the installation of Caller Display equipment.

FEATURES

MULTIPLE COUNTRY SPECIFICATIONS

The Globecall covers many Caller Display standards including UK, US and Europe. As many of the standards in the rest of the world are derived from these the Globecall can cover many other specifications as well.

ON-HOOK CALLER ID

The Caller ID signal is preceded by a Line Reversal and the Tone Alert Signal (TAS) for the UK and by a Ring Burst for most other countries.

OFF-HOOK CALLER ID or CWCID

The Globecall sends out the CAS signal and looks for the DTMF acknowledgement back from the Caller Display equipment, if this is received the Caller ID signal is sent.

ADJUSTABLE SIGNAL LEVEL

The user can set the signal level to High or Low, using a switch on the front panel. Each of these levels can be customised over a range of levels using a DIP selector.

ADJUSTABLE RINGING

The ring frequency can be set to 25 or 50 Hz to cover international specifications. The ring level can be set by a control at the rear of the unit.

TEST GROUPS

The following group of tests are provided:

- ETSI line reversal followed by DT-AS
- ETSI RP-AS
- US SDMF
- US MDMF
- Dutch DTMF
- Swedish DTMF
- Production tests (UK market)
- Production tests (US market)
- Production tests (European market)

TEST TYPES

Various types of calls are sent including name, number, unavailable, withheld, message waiting and error messages.

OPTIONAL PROGRAMMING KIT

This is available to allow the user to customise tests.

SPECIFICATION

PROTOCOL

UK	BT SIN 227, SIN 242 and CCA TW/P&E/312
ETSI	ETS 300 659-1 and ETS 300 659-2
DTMF	T11-12 and 8211 A-331
FRANCE	B14-10W
US	Bellcore GR30-Core SDMF and MDMF and Bellcore TR-NWT-001401

HARDWARE

DC FEED CONDITIONS

SUPPLY VOLTAGE	48 V \pm 5%
SC CURRENT	45 mA \pm 10%

AC FEED CONDITIONS

SOURCE IMPEDANCE	600 Ω \pm 10%
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TONES

ALERT FREQUENCY	2130 Hz & 2750 Hz \pm 1%
BAUD RATE	1200 baud \pm 1%
FREQUENCY	Bell 202 Mark 1200 Hz \pm 1.5% Bell 202 Space 2200 Hz \pm 1.5% V23 Mark 1300 Hz \pm 1.5% V23 Space 2100 Hz \pm 1.5%
DTMF FREQUENCIES	As CCITT specification
LEVEL HIGH	-10 dBV to -30 dBV
LEVEL LOW	-30 dBV to -50 dBV
TWIST	\pm 2 dB

RINGING

FREQUENCY	25/50 Hz
FACTORY SET LEVEL	70 V rms \pm 10%
USER RANGE	0-95 V rms

TIMING	As specified in the protocol
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TOLERANCE

FREQUENCY	\pm 10%
TIMING	\pm 5%
LEVEL	\pm 3 dB

POWER

MAINS	230 V, 50 Hz, 50 mA
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DIMENSIONS

HEIGHT	100 mm
WIDTH	160 mm
DEPTH	160 mm
WEIGHT	1.5 kg

TELE PRODUCTS

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