

DIGITELL PLUS

PORTABLE DIGIT ANALYSER AND LINE MONITOR



- Transparent monitoring of telephone lines
- Two line display stores and scrolls up to 32 dialled digits
- Status report gives timings, line polarity and On/Off-line status
- 24 V and 48 V feed voltage selector
- Bar graph measures in dBm
- Headphone socket to monitor audio (headphone not supplied)

Digitell Plus is a portable high impedance line monitor, which has a two-line LCD display that can store and scroll up to 32 digits. It also gives a constant status report on timing, line polarity and On/Off-line status.

This instrument is ideal for installers of auto-diallers and least cost routing devices. It is also useful for technicians to check dialling from telecom devices.

FEATURES

LCD DISPLAY

The two-line display shows dialled digits on the top line where up to 16 digits can be displayed at any one time. On the second line, information such as line polarity, digit timings and On/Off-line status is shown.

BAR GRAPH

The bar graph displays speech and data signals. The normal range of the bar graph is from 0 down to -30 dBm. However, to display lower level signals this can be changed to -20 to -50 dBm.

AUTO POWER OFF

To preserve battery life, the Digitell Plus shuts off automatically after 2 minutes of idle time. The user can increase this to 4 minutes if required.

FEED VOLTAGE

To detect and display On/Off-line status and Pulse dial timings accurately, the Digitell Plus has to know the voltage of the feed circuit. The user can select between 48 V and 24 V operation.

HEADPHONE SOCKET

When investigating problems in the field, it is sometimes very useful to listen to the signals on the telephone line. The user can plug in a headphone into the socket provided for this purpose.

DIGIT GRABBER MODE

It is sometimes useful to display Tone digits even when the telephone is Off-line, for example when investigating DTMF Caller ID signals. The user can set the Digitell Plus to this mode using a selector switch.

MAINS ADAPTER

When plugged in, it overrides the battery supply and the auto power off feature. The unit can also run on battery power

SPECIFICATION

PULSE DIALLING

MAKE	25-41mS
BREAK	50-82 mS
IDP	>200 mS
OFF-LINE	>300 mS
ON-LINE	>200 mS
TBR	80-110 mS

TONE DIALLING

TIME	>40 mS
FREQUENCY	± 1.5%

BAR GRAPH DISPLAY

REFERENCE	Top LED 0 ± 1 dBm
RANGE	0 to -50 dB
STEP SIZE	3 dB per LED ± 1 dB

MAIN DISPLAY

LCD	2 x 16 digit dot matrix
-----	-------------------------

LINE IMPEDANCE

AC IMPEDANCE	A-B >100 kΩ
DC RESISTANCE	A-B >1 MΩ

TOLERANCE

unless otherwise specified

TIMING	± 10%
LEVEL	± 3 dB

POWER

BATTERY	1 x 9 V PP3
ADAPTOR	9 V

DIMENSIONS

LENGTH	180 mm
WIDTH	100 mm
DEPTH	40 mm

WEIGHT

DIGITELL PLUS	350 g
BATTERY	40 g

TELE PRODUCTS

SERVING THE TELECOMMUNICATIONS INDUSTRY

Tele-Products Limited 11 Glaisdale Road Northminster Business Park Upper Poppleton York YO26 6QT United Kingdom
TEL +44 (0)1904 794200 FAX +44 (0)1904 780054 E-MAIL info@tele-products.com WEB www.tele-products.com

ISSUE 12/04