

## PRODUCT DESCRIPTION

The Compact DSP Test Telephone is a “pocket size” fully featured instrument suitable for use by anyone involved in the maintenance and installation of analogue telephone circuits.

Compact DSP (Digital Services Protection) Test Telephones are designed to operate safely in situations where telephone wiring may be carrying Digital traffic, Voltage feed to remote electronics or Hazardous voltages that result from fault conditions or misuse of the cable.



## FEATURES

- Digital Service Protection (DSP)
- Over voltage & current protected
- Excessive voltage alarm
- Mains cross protection (230 VAC)
- 3 Position Volume boost
- Microphone Mute
- Hands free through optional headset
- Acoustic Shock Protection
- Battery low warning
- Tone/pulse dialling
- 32 Digit Last number redial
- Flash (Time Break Recall)
- Ground start & earth recall
- PBX Pause
- Super High impedance Polarity
- Super High impedance Monitor
- High Monitor sound level
- Warble ringer
- High impact resistance
- High chemical resistance
- Quick change cord
- Rugged belt clip
- PP3 battery (supplied)
- Basic telephony functions without battery
- Auto power down when not in use
- Polarity Indication

### Digital Services Protection (DSP)

In the “on hook” mode, on connection to a circuit, the Test Telephone sounds an alarm to alert the user to the presence of voltages above 75V DC. Such voltages are normally present on circuits carrying digital services. If the circuit is active, the user can select MONITOR mode and listen to the sound to determine if the circuit is carrying digital services without disrupting the traffic.

Selecting “off hook” mode will stop the alarm signal and loop the line without damage to the test set. If the alarm signal persists, it indicates that the voltage on the line is above 120V. In this case the line is not looped avoiding damage to the test set as well as alerting the user to the presence of hazardous voltages.

# Compact DSP Test Telephone

## SPECIFICATIONS

### Electrical:

Loop Limit:	5k $\Omega$
Minimum Loop Current:	10mA
Max. Off-Hook DC Resistance:	<300 $\Omega$
Min. DC Resistance in: Idle	>5M $\Omega$
Monitor	>5M $\Omega$
Min. AC Impedance in Monitor	>100k $\Omega$ @ 1kHz
Span Power Lockout Range:	120V to 340VDC

### Pulse (Rotary) Dial:

Pulse Rate:	10pps
Break/Make:	60%
Inter-digit Interval:	800ms

### DTMF Output:

Tone Level:	-6dBm
Tone Frequency error:	<1%
Tone Twist:	2 $\pm$ 2dB
Flash Duration (selectable):	100, 300 or 600ms

### Memory Dialling:

Stored Number Capacity:	1
Stored Number Length:	32 digit per stored number
PBX Pause:	2 seconds (can be changed)

### Power Source:

Battery:	1 x 9V Alkaline
Battery Life (nominal):	1 year normal, 5 days continuous monitor
Low Power:	Red LED shows 2 hours use left
Auto Shut-off:	5 minutes after disconnection

### Environment:

Operating Temperature:	-5°C to +40°C
Storage Temperature:	-20°C to 70°C
Water Resistance:	Weatherproof to IP 30

### Physical Shock:

High Resistance to Impact

### Physical:

Length:	235mm
Width:	75mm
Depth:	53mm
Weight:	0.3kg

### Warranty:

One Year



### Headset

A commercially available headset can be connected to the Compact to provide hands free operation.

## RELATED PRODUCTS



### Alert 340

- Nautilus Test Telephone
- Loudspeaker & DSP
- 3 year warranty



### DigAlert 361

- Nautilus Test Telephone
- Tx & Rx hands free
- ADSL Safe
- 3 year warranty



### DSTS 2

- Rugged Test Telephone
- DSP
- No battery



### DSTS 5

- Rugged Field Test Telephone

