

Alert 340 | Test Telephone with DSP

PRODUCT DESCRIPTION

The Alert 340 Test Telephone incorporates all the Nautilus design features that provide a durable and robust instrument for applications where DigAlert™ circuit technology is not required or necessary.

Digital Services Protection (DSP) 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. The Alert 340 also features loud-speaking (listen only) capability.



FEATURES

- Three year warranty
- Digital circuit safety
- Voltage alarm and lock-out
- Loudspeaker listening
- Volume boost
- Microphone mute
- Confirmatory key beeps
- Talk/Monitor status LED
- Battery low audible tone
- Tone/ pulse
- Redial (10x24 memories)
- Flash
- Pause
- Super Hi Z polarity
- Super Hi Z monitor
- High monitor level
- Warble ringer
- Selectable ringer tones
- High impact resistance
- High chemical resistance
- Quick change cord
- Quick change battery
- Easy shoulder placement
- Rugged belt clip

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 the high impedance 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.

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SPECIFICATIONS

Electrical:

Loop Limit:	5k Ω
Minimum Loop Current:	10mA
Max. Off-Hook DC Resistance:	300 Ω
Min. DC Resistance in: Idle	10M Ω @ 300VDC
Monitor	
Min. AC Impedance in Monitor:	400 Ω @ 1kHz
Voltage Lockout Range: min	120VDC
max	450VDC

Pulse (Rotary) Dial:

Pulse Rate:	10pps \pm 0.1pps
Break/Make:	60/40% \pm 1%
Interdigit Interval:	800 \pm 50ms

DTMF Output:

Tone Level:	-6dBm
Tone Frequency error:	\pm 1% max
Tone Twist:	2dB \pm 1dB
Flash Duration:	100ms nominal

Memory Dialling:

Stored Number Capacity:	10 plus LNR
Stored Number Length:	32 digit/stored number
PBX Pause:	4 seconds

Power Source:

Battery:	1 x 9V Alkaline
Battery Life (nominal):	3 months typical use
Continuous loud-speaking:	30hrs
Low Power:	Visible and audible indication
Monitor Auto Shut-off:	5mins with no line DC, 20 with

Environment:

Operating Temperature:	-34°C to +60°C
Storage Temperature:	-50°C to 75°C
Water Resistance:	IP67 per IEC 60529

Physical Shock:

6m onto concrete

Physical:

Length:	248mm
Width:	70mm
Height:	86mm
Weight:	0.6kg

Warranty:

Three Years

NAUTILUS RANGE

Nautilus

r a n g e



The Nautilus product range was designed to reduce whole life costs by having a 3-4 year operational life requiring virtually no maintenance or repair. Made from high strength polymer alloys, Nautilus products are tested to extremely high standards for robustness and performance to allow for the rigors of everyday use in extreme conditions. The designs incorporate patented technologies that allow the case to breathe and safeguard the functional elements from water, dust, impact and temperature changes.

The Nautilus range has been independently tested to ensure that the units operate in the harshest environments around the world - from Saharan sun to Alaskan winters. Products in the Nautilus range have been subjected to a variety of tests including free fall from up to 6m (20 ft), submerged in water for 30 minutes and temperature varying from -10 Deg C to +55 Deg C for 72 hours. They are also tested for vibration, shock, bump and impact.

