



# TM900 "ID" DigAlert™ Professional Telephone Test Set

## SPECIAL FEATURES

### Ergonomic

Designed for comfortable shoulder placement. Operate in either hand, clip onto the belt, or use hands free.

### Rugged & Weather Resistant

IP67 water and dust resistant. Tough enough to withstand the working environment.

### LCD

Immediate access to caller ID and memories, measurement of on-hook voltage, off-hook current, and ringing frequency.

### DTMF Digit Recognition

Ensures auto-dialing to the correct number. DTMF power is indicated in dBm to ensure that line conditions are good.

### DSL Filter

High impedance design ensures maximum digital line compatibility in both monitor and talk modes.

### DigAlert™

Detect and protect digital services and warns the user and protects itself from high voltages and currents.

### SmartIntercom™

Allows alerting over a "dead" pair of wires. When a call is requested from one unit, the other unit wakes up, validates the request and acknowledges with a unique tone.

### Intercom

Talk over a "dead" pair of wires.

### Toner

A built-in pair tracing toner is provided. The frequencies chosen are optimised for use with Tempo probes, or any other probe that works in the telephone audio frequency range.

### Handsfree & Loudspeaker

Convenient duplex speaker phone function plus loudspeaker monitoring.

### Photo-Luminescent Keypad

Advanced silicone rubber keypad glows after exposure to light, aiding operation in low light conditions.

### Warranty

Three year Nautilus™ family limited warranty.



## SPECIFICATIONS

Telephone Compatibility**	TIA / EIA-470-B and ETSI
Loop Limits (at 48 V)	Resistance: >5 kΩ Minimum Current: <10 mA
DC Resistance	Off Hook: <300Ω On Hook: >10 MΩ
Monitor Impedance	>400 kΩ
Pulse Dialing**	Rate: 10 pps or 20 pps Break: 60% or 66% Inter-Digit Pause: 800 ms (leakage during break >1 M)
DTMF/Tone Dialing**	-4 dBm / -6 dBm (ANSI); -9 dBm / -11 dBm (ETSI)
FSK Caller Name/Number (CID) and Call Waiting (CICW)	Bellcore GR-30-CORE TR-NWT-000030 ETSI FSK Types
LCD	<b>96 x 48 pixels, 5 lines. Displays the following:</b> Caller ID (name and number) and Call Waiting Dialed Number Over-voltage Conditions Phone Status (monitor, on hook, etc.) Line Voltage: 110 Vdc max Loop Current: 125 mA max Ring Frequency: 15-70 Hz
Memory Dialing:	10 Memories 10 LNR each holding 30 digits including pauses
Flash/Timed Break Recall**	100 ms 270 ms 600 ms
Line Protection	Over-voltage: 360 Vdc Continuous >500 V Peak Current Limited: 125 mA Lightning: ITU K.17, 20, 21 (1500 V)
Intercom Range	6 km
Toner Output	7 V pk-pk (square wave), two warble rates
Battery Life	1 x 9V. Alkaline recommended. Will last 6 months with typical use.
Humidity	Operating: Up to 90% Storage: Up to 95%
Operating Temperature	32°F to 122°F (0°C to 50°C) LCD, -29°F to 140°F (-34°C to 60°C) Telephony
Storage Temperature	-58°F to 167°F (-50°C to 75°C)

### SPECIFICATIONS-Unpacked Unit

DIMENSIONS	INCHES	MILIMETERS
Length	9.75	248
Width	2.75	70
Height	3.4	86
WEIGHT	POUNDS	GRAMS
Net	1.3	580

### SPECIFICATIONS-Packed Unit

DIMENSIONS	INCHES	MILIMETERS
Overall	3¾ x 4 x 12¼	300 x 100 x 80
WEIGHT*	POUNDS	GRAMS
Net	1.4	630

### SPARE PARTS

CAT.NO.	DESCRIPTION
CS-23	CORD SET (RJ11 & LARGE CROC CLIP)

\*Weight varies slightly with cordset and other options.

\*\*Where multiple parameters are shown above, these are user selectable.

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