



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 (CIDCW)	Bellcore GR-30-CORE TR-NWT-000030 ETSI FSK Types
LCD	96 x 48 pixels, 5 lines. Displays the following: 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	3¼ 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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