

# TestPhone 850

## Features

- Digital Line Compatible (Integral ADSL Filter)
- Two Way Hands Free
- Eight Level Volume Control (Handset and Hands free)
- Microphone Mute
- Tone/Pulse Dial Selection with Indication
- Ultra Hi-Z on/off-hook Line Polarity Indication
- Hi- Z Speaker Monitor Mode with Four Volume Levels
- Ultra Low Line Current with Over Current Protection
- Low 0.1 REN (Ringer Equivalence Number)
- Low Battery Indication
- Full Telephone Parameter Set up via Keypad
- Ten Ringer Melody's ( 5 x 3- Tone, 5 x 2- Tone)
- Hands Free Background Noise Compensation
- 13 x 21 Digit Memories (1 Speed Dial Memory)
- Configurable Key Beeps
- Quick Change Battery
- Quick Change Cords or RJ11 Lead
- High Impact Resistance
- Fully Sealed to IP67
- Rugged Belt Clip
- Two Year Warranty

## Description

The Testphone 850 is a superb Butt Phone which provides half Duplex Handsfree operation, Loudspeak high impedance on- Hook line listening, high voltage line protection and Digital Safe incorporating ADSL filter technology. Also included Push button volume Control, on/off Hook control, ring melody select and LD/DTMF dial select functions.

## Specifications

DC Electrical Characteristics	
PSTN idle current (on-hook)	< 1uA @ 50Vline
PSTN operational current (off-hook) 15 –	60mA nominal (60mA limited) 5 – 15mA reduced performance 0 – 5mA power-down
PSTN line protection	200V SAD + Dual 130mA PTC
Battery voltage	9V nominal (PP3/6LR61/1604A type)
Battery supply current	44uA (on-hook), 6-8mA (handset) 20-200mA (Handsfree/monitor)
Battery low voltage	7.5V
Configuration port	TTL/CMOS compatible [0 – 5.5V max.]

AC Electrical Characteristics	
Speaker output power	0.25W into 8R @ 9V
Speaker total harmonic distortion	2% @ 0.25W
PSTN transmit gain (handset)	35.8dB typical
PSTN transmit gain (handsfree)	44.0dB typical
PSTN transmit soft clip level	2V typical
PSTN transmit soft clip attach	70uS/6dB
PSTN transmit soft clip decay	100mS/6dB
PSTN transmit mute attenuation	60dB
PSTN receive gain (headset)	-0.5dB typical
PSTN receive gain (handsfree)	27dB typical
PSTN receive volume range	15dB in 8 steps
PSTN receive soft clip level	1V typical
PSTN receive soft clip attach	70uS/6dB
PSTN receive soft clip decay	100mS/6dB

Default parameters	
Earth Recall duration	250mS
Auto on-hook timer	10 - 30 minutes
Button de-bounce time	20mS
Inter-digit pause (Pulse[LD])	840mS
Tone [DTMF] tone duration	82mS
Tone [DTMF] tone pause	82mS
TBR duration	100mS (programmable)
Pause duration	1 S (programmable)
Pre-digit pause (Pulse[LD])	33mS
Post TBR pause	274mS
Handset TX gain	37dB
Handset RX gain	1dB
Handsfree TX gain	46dB
Handsfree RX gain	29dB
DTMF level (low group)	-6dBm
Tone [DTMF] comfort tone (handset)	-40dB
Tone [DTMF] comfort tone (handsfree)	-9dB
Pulse [LD] make/break ratio	2 : 3
Pulse [LD] dial rate	10 pulses a second
DC Mask	4.5V
Operating Environment	
	temperature -25°C - +70°C; humidity up to 80% non-condensing
Dimensions (cm)	
	24.5 x 8.0 x 6.5
Weight (g)	
	414

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