

Non Linear Junction Detector



General Description

The **PHJD880** has been designed for detection non linear junctions. Non linear junctions including variety range of components Such as diodes, transistors, IC's, etc.

The **PHJD880** can detects electronics circuit such as hidden transmitters, tape recorders, Cellular phones even though DC source is NOT apply.

The **PHJD880** is state-of-art Non Linear Junction Detector based on latest technology includes DDS and DSP.

The system provides evaluation of 2nd and 3rd harmonic. Returns strong 2nd harmonic indicates electronic components while strong 3rd harmonics indicates false corrosive junctions.

Both 2nd & 3rd harmonic are being displayed in the same time.

Technical Advantages

- Fully digital system
- Automatic or manual channel select
- High power transmitter (+36 dBm)
- Excellent receiver sensitivity
- CW or Pulse mode operation

PHANTOM TECHNOLOGIES LTD.

68 AMAL ST., PETAH-TIKVA, ISRAEL

TEL. +972-3-9215720 FAX. +972-3-9215434

Web-Site: www.phantom.co.il

PHJD880 Advancement

- Blue LCD Display with Backlight
- High gain circular antenna
- Minimum setup time
- Robust & lightweight design
- Easy to use
- Rechargeable batteries Li-Polymer

Application

- Sweep all kind of bugs – regardless active or passive
- Tape Recorder Detector
- Offices
- Prisons
- Court Rooms
- Head Quarters

PHANTOM TECHNOLOGIES LTD.

68 AMAL ST., PETAH-TIKVA, ISRAEL

TEL. +972-3-9215720 FAX. +972-3-9215434

Web-Site: www.phantom.co.il

Technical Specifications

Transmitter	
Output Power	Adjustable 17 - 36 dBm (Max. 4W)
Frequency Range	880-1005 MHz
Signal Source	DDS
Number of Channels	1250 (100 KHz steps)
Filtering	Band pass SAW Filter
Antenna	50 Ohm Directional Antenna
Antenna Gain	4 dBi
Receivers	
Sensitivity	-133 dBm
Frequency Ranges	1760-2010 MHz 2640-3015 MHz
Filtering	Band pass SAW Filter
Controls	
Channel Select	1 to 1250
Output Power	17 – 36 dBm with 1 dB steps
Volume	Pot.
ON/OFF	Switch
Mode of Operation	
Channel Select	Manual or Automatic Channel Select
Output Power	Manual or Automatic Output Power
Display	
	Blue LCD Display 2 x 16 Char
Environment of operation	
Operating Temp.	0°C - +60°C
Humidity	5% - 80%
Physical	
Rod Length	30 – 125 cm
Weight	1.85 Kg

PHANTOM TECHNOLOGIES LTD.

68 AMAL ST., PETAH-TIKVA, ISRAEL

TEL. +972-3-9215720 FAX. +972-3-9215434

Web-Site: www.phantom.co.il