

# 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 2<sup>nd</sup> and 3<sup>rd</sup> harmonic.  
Returns strong 2<sup>nd</sup> harmonic indicates electronic components while strong  
3<sup>rd</sup> harmonics indicates false corrosive junctions.

Both 2<sup>nd</sup> & 3<sup>rd</sup> harmonic are being displayed in the same time.

## Technical Advantages

- Fully digital system
- Automatic or manual channel select
- High power transmitter (+33 dBm)
- Excellent receiver sensitivity
- CW or Pulse mode operation

## 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.**

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## Technical Specifications

Transmitter	
Output Power	Adjustable 17 - 33 dBm (Max. 2W)
Frequency Range	890-915 MHz
Signal Source	DDS
Number of Channels	24
Filtering	Bandpass SAW Filter
Antenna	50 Ohm Directional Antenna
Antenna Gain	4 dBi
Receivers	
Sensitivity	-132 dBm
Frequency Ranges	1780-1830 MHz 2670-2745 MHz
Filtering	Bandpass SAW Filter
Controls	
Channel Select	1 to 24
Output Power	17 – 33 dBm with 1 dB steps
Volume	Pot.
ON/OFF	
Mode of Operation	
Channel Select	Manual or Automatic Channel Select
Output Power	Manual or Default Output Power setting
Display	Blue LCD Display 2 x 16 Char
Environment of operation	
Operating Temp.	0°C - +60°C
Humidity	5% - 80%

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