

# NON-LINEAR JUNCTION DETECTOR

## «LORNET»



### APPLICATION RANGE:

A non-linear junction detector «LORNET» is used while conducting strategic and search work afield, in rooms, transport, and is designed to find special equipment containing semiconductor components. An automatic system of frequency selection is integrated into the device, and it can tune away from narrowband interference automatically (by a criterion of minimum noise of the receiving channel of the 2<sup>nd</sup> harmonic).

### TECHNICAL CHARACTERISTICS:

• Type of a probing signal	pulse, CW
• Power of pulse/CW signal	15/1 W
• Sensitivity (by the 2 <sup>nd</sup> and 3 <sup>rd</sup> harmonics)	not worse -120 dBm
• Probing signal frequency	880 - 906 MHz
• Dynamic range	more than 80 dB
• Operation time from a built-in battery at maximum power of probing signal (pulse/CW)	not less 3.5 / 1.5 h
• Dimensions in transportation /operation position	57x22x12/100x15x4 cm
• Full weight of the device in operation state	less than 1000 g

### MAIN COMPETITIVE ADVANTAGES:

- Small dimensions and weight of the device
- Easy-to-use, it is possible to use the device as checking one
- Automatic and manual modes of power change of the probing signal
- Use of the latest technologies and materials, ergonomic
- High detection potential (it is highly competitive to the best samples)
- Use of wireless earphones
- It is possible to operate in hard-to-reach places and under conditions of limited space (antenna thickness does not exceed 18 mm).

### DELIVERY SET:

- “LORNET” device with Li-Ion battery
- Wireless accessories (a receiver with head phones)
- Power adaptor (220V) for a charger
- Package bag

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