

# NON-LINEAR JUNCTION DETECTOR

## «LORNET-24»



### APPLICATION RANGE:

A non-linear junction detector «LORNET-24» 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 signal (duty ratio 50) /CW signal - 10/1 W
- Sensitivity (at signal-to-noise ratio of 10) not worse -108 dBm
- Signal frequency within range 2400-2483 MHz
- Dynamic range more than 80 dB
- Operation time from a built-in battery at maximum power of probing signal (pulse/CW) not less 3.0 / 1.0 h
- Dimensions in transportation /operation position 23x10x5.5/39x10x4 cm
- Full weight of the device in operation state less than 700 g

### MAIN COMPETITIVE ADVANTAGES:

- It is a unique device worldwide by its frequency, weight and dimensions (it can be placed in a pocket) characteristics.
- Easy-to-use, it is ideal as checking one
- All operation modes of “LORNET” device are kept (automatic and manual modes of power change of the probing signal in a pulse mode, manual power change in CW mode)
- Use of the latest technologies and materials, ergonomic
- Electromagnetic effect to a person (while checking) is significantly lower then that of a cell phone
- High detection potential (in some cases due to higher frequency of the probing signal it is more effective in comparison with detectors operation with more power, but in standard range)
- 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:**

- “Lornet24” device with Li-Ion rechargeable battery
- Wireless accessories (a receiver with head phones)
- A charger for a battery and a receiver of wireless accessories
- A power adaptor (220V) for a charger
- A man’s handbag to keep and transport the device

## **CONTACT US:**



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