

ELVIRA

LORNET



Reliable, simple to operate and inexpensive non-linear detector in classical performance with the probing frequency of 900 MHz

Key Features



Lornet provide the means for the detection of semiconductor elements through obstacles with high damping (eg, concrete) and in humid environments



Lornet is equipped with an automatic system of protection against centered jamming by criterion of a minimum noise in the receiver path of the 2nd harmonic



The telescopic handle and thin structure of the antenna unit (18mm) enable to operate in hard to reach places

Application



INDOOR USE

Lornet is suitable for indoors search operations

Application Features

ANTIJAMMING

Lornet is equipped with an automatic system of protection against centered jamming by criterion of a minimum noise in the receiver path of the 2nd harmonic

ANALYSIS OF THE NATURE OF SEMICONDUCTOR

For efficient identification of artificial and natural semiconductors a listening through a built in speakerphone or headphones can be used after AM decoding of the signal in continuous mode

ENVIRONMENT

Electromagnetic radiation towards the operator is many times less than one setted by the Regulator

Control

CONSOLE

User friendly interface and unified push-button control. It does not require pre-setting before the start

INDICATION

Vivid and explicit indication of power levels of the signal and the received harmonic-waves

POWER CONTROL

Availability of the automatic and manual control modes for the levels of the 2nd or 3rd harmonic of probing signal power increases the convenience of search works

Equipment

HEADPHONES

The Use of wireless headphones makes the work with the device more comfortable

WEIGHT

Record-breaking low weight in its class (1000 grams)

Supply Package

- R-T unit with a telescopic rob and a control knob
- 2 removable (LI-ION) rechargeable batteries (3.6V)
- Batteries charging container
- Batteries Charging adaptor (220V)
- Wireless headset and receiver
- AC adapter for the receiving device (220V)
- Transportation bag
- Documentation (user manual, certificate)



Технические характеристики

The frequency of the probing signal in the range	900MHz +/-
The maximum power of the probing signal (max. // average):	
Pulse mode	10W//230mW
Continuous mode	300mW
Receiver sensitivity, not worse than	-110mdb (-140dbW)
The adjustment range of the probing signal power	20db
The dynamic range of the receive path	24db
Battery life at maximum power in a pulsed (continuous) mode	3 h (1,5 h)
The item dimensions in active status	102x16x6 (54x16x7)cm
The full weight of the item in active status	1 kg
The bag dimensions	63x22x11cm
The bag weight	3,1 kg
The operating temperature range	от +5 до +40° C

LORNET^{III}

EXPORT

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RT Export is the official exporter of the Lornet Series Non linear junction detector