

LORNET STAR



The world only one multifunctional non-linear detector featuring an integrated spectrum analyzer of 2nd and 3rd harmonics and interchangeable antenna unit of 3 frequency bands: 800 MHz, 2400 MHz and 3600 MHz

Key Features



Offers the combination of operating options in absorbing medium with high humidity, the detection of small (less than 1 cm²) semiconductor elements and the remote detection with spatial target selection.



Integrated spectrum analyzer of 2nd and 3rd harmonics can significantly improve the identification of semiconductor elements. The availability of interchangeable antenna units delivers the benefit of all three frequency range.



Reliable detection of the SIM-card at a distance of 15 cm (2400 MHz) and 60 cm (3600 MHz).



Universal control knob with interchangeable antenna units and universal telescopic rod can easily convert the detector from discover to inspection mode and back.

Application

INDOOR USE

Performing indoor search works by taking advantage of all 3 bands

DURING INSPECTIONS

Procedure Effective at inspection work

ON OPEN TERRAIN

The narrow beam of the antenna pattern at 16 degrees and the availability of laser illumination provide convenient search works on the area

Work with the device

An automatic system of protection against centered jamming

Continuous mode for effective analyze of the nature of semiconductor

Non effect level of electromagnetic radiation towards the operator

Control

Vivid and explicit indication in operating mode

User-friendly button control

Supply Package

- Control knob Lornet Star
- Universal telescopic rod Lornet Star
- 2 removable (LI-ION) rechargeable batteries (12V),
- Battery charging container
- Battery charging adaptor (220V)
- Lornet Start Package can include up to 3 Interchangeable Antenna Unit (IAU) from 4 options:
 - IAU Lornet Star 08, 800Mhz (option)
 - IAU Lornet Star 24, 2400Mhz (option)
 - IAU Lornet Star 24s, 2400Mhz with spectrum analyzer
 - IAU Lornet Star 36m, 3600Mhz (option)
- Transportation bag
- Documentation (user manual, certificate)

Technical characteristics

Interchangeable antenna unit:	08	24	24s	36M
The frequency of the probing signal in the range	800MHz	2400MHz	2400MHz	3600MHz
The maximum power of the probing signal (max. // average):				
Pulse mode	10W//230mW			18W//112mW
Continuous mode	//300mW			---
Pulse mode with small duty cycle (CW)	---	---	---	6W//375mW
Receiver delicacy	-110dBm (-140BmW)			
The adjustment range of the probing signal power	20Bm			
The dynamic range of the receive path	24Bm			
Battery life at maximum power in a pulsed (continuous) mode	3,0 h (1,5 h)		2,5 h (1,5 h)	
Device dimension	40x20x7cm			40x20x20cm
Telescopic rod size	54x4x4 cm(86x4x4cm)			
The full weight of the item in active status without rod	1 kg			
Telescopic rod weight	0,2 kg			
The bag dimensions	65x30x20cm			
Maximum weight of the devices in the bag	8 kg			
The operating temperature range	from +5 to +40° C			