



# WESTMINSTER

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## WG 400 Non-Linear Junction Detector



The WG 400 Detector is used for search and detection electronic devices containing semiconductor components. WG 400 allows detecting and precise localizing both working devices and even turned off ones. Using this non-linear junction detector operator is able to distinguish natural semiconductor from the artificial one (metal, corrosion, metal, oxide-metal structure).

### STANDARD FEATURES

- Detector is supplied in shockproof package
- Original signal processing algorithm enables to reduce false responses and increase the selectivity as well as reaction speed
- Software upgrade via USB

### UPDATED MODEL BENIFITS

- Modernized antenna, which increase detector selectivity
- More ergonomic design: large telescopic bar and retractable armrest provide maximum comfort for the user
- Reduced weight and overall dimensions of the device
- Simplified system of control and indication
- Use of common power supply batteries

### ADVANTAGES

Main distinctive feature of non-linear junction detectors is multi frequency irradiation mode, which provides wide range of advantages in front of detectors designed by the classic scheme:

- Ability for effective operation in complicated interference environment (reinforced structures, corrosion, etc.)
- Ability to identify detected objects in Audio mode
- High detection sensitivity at a low output power
- Increased probability of detection electronic devices behind partially shielded surfaces (such as the grid "netting")
- Increased selectivity (ability to distinguish electronic components with background of metal-oxide-metal structure)
- Optimal ratio of radiation power and detection range

## SPECIFICATION

- Case - Plastic
- Charge time - not more than 3 hours
- Dimensions when folded – 510L x130W x145H mm
- Dimensions with a fully extended telescopic handle and armrest - 1500x130x250 mm
- Power supply - 2 Li-ion rechargeable batteries 3,7V (18650 type)
- Power supply - Rechargeable battery
- Run time of a fully charged battery - 3-4 hours (depending on the operating mode)
- Thickness - 130 mm
- Weight of the full set - 5.8 kg
- Weight with battery - 1.75 kg



## SPECIFICATION

- Antenna - circularly polarized
- Frequency range - 2-3 GHz
- Operating modes - "search", "audio", "adaptation"
- The maximum radiated peak power - Less than 2W
- The range of sensitivity adjustment in manual mode - 40 dB (5 steps of 8 dB each)

### Indication

- Audible - built-in speaker, headphones
- Visual - three 16 LEDs bars

### Operating conditions

- Humidity - not more than 85%
- Temperature - +5 - +40 C

