

# X-RAY SCANNER OF HIDDEN SPACES “WATSON”

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- X-RAY SOURCE OF RADIATION
- INSPECTION OF CAVITIES  
WITH ONE-WAY ACCESS
- 10 SECONDS TO INSPECT A WHEEL



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# X-RAY SCANNER OF HIDDEN SPACES “WATSON”



## APPLICATIONS

- Detection of weapon, drugs, contraband enclosures in vehicles
- Detection of bugs in premises (walls, furniture, doors)
- Radiation monitoring

## ADVANTAGES

- High speed of inspection
- Scanning in absolute and relative modes
- Radiation safety
- X-ray source of radiation

## DESIGN

- In operation the scanner and battery are located on the operator belt
- During transportation and storage the set of equipment is packed in a light reinforced bag

## SPECIFIC FEATURES

- Inspection of cavities with one-way access
- Wide dynamic range allows to separate enclosures according the volume and density

## MAIN PARAMETERS

|   |             |
|---|-------------|
| Maximum barrier width behind which a subject (with dimensions 20x20x20 mm and density 0,5 – 2 g/cm <sup>3</sup> ) can be detected, mm |             |
| - wood  | 45          |
| - aluminium   | 10          |
| - steel   | 1,5         |
| Maximum inspection depth, mm  | 300         |
| Scanning speed, cm/s  | 10          |
| Overall dimensions, mm  | 300x74x164  |
| Weight, kg  |             |
| - scanner   | 2,1         |
| - belt battery (2 A·h / 4 A·h)  | 1,1 / 2,2   |
| Operating temperature range, °C   | -20 ... +50 |