

HANDHELD X-RAY SCANNER OF BURIED CAVITIES VATSON

Handheld x-ray scanner of buried cavities to search and detect smuggled weapon and drugs and hiding places in rooms



Features

- Handheld design
- High-speed inspection
- Absolute and relative scanning modes
- Radiation safety
- Miniature x-ray tube as a x-ray radiation generator
- One-way inspection
- Wide dynamic range providing organic and inorganic material detecting

Application

- Customs control
- Control of illicit trafficking

Specification

Maximum barrier thickness to detect an object of 20x20x20 mm and 0.5-2 g/cm³ density

wood	45 mm
aluminium	10 mm
steel	1.5 mm

Maximum inspection depth 300 mm

Operation mode setup time 10 s

Scanning rate 10 cm/c

Detector, scintillation CsI(Tl) ø20x10 mm

X-ray detection in the energy range 30 - 80 keV

Sensitivity in the energy range from 30 to 60 keV 10 cps/μR·h⁻¹

Detecting quanta count rate measurement range from 10 to 9990 cnt/s

Operating temperature range -20°C - +50°C

Relative air humidity at 25°C 80 %

Protection class IP54

Weight

scanner	2.1 кг
waist accumulator (2 Ah)	1.1 kg
waist accumulator (4 Ah)	2.2 kg

Dimensions

scanner	300x74x164 mm
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