

Area Doserate Meter BD-01

Hand-held dosimeter for radiation protection measurement during application of beta-nuclides

- Medicine, life-sciences, industry
- Dose-rate measurements in mixed beta-photon fields
- Evaluation of workplaces
- Retrospective dose assessment
- Localisation of beta sources and contamination

The BD-01 is also available in 3 versions:

- Standard version BD-01
- Low dose version BD-01ND
- High dose version BD-01H



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<u>Technical Specifications:</u>	Area Doserate Meter BD-01
Measuring values	Ambient dose equivalent rate $dH^*(10)/dt$ Directional dose equivalent $dH'(0,07)/dt$
Measuring range	$2 \mu\text{Sv}\cdot\text{h}^{-1} \dots 20 \text{mSv}\cdot\text{h}^{-1}$ (low dose version BD-01 ND) $20 \mu\text{Sv}\cdot\text{h}^{-1} \dots 200 \text{mSv}\cdot\text{h}^{-1}$ (standard version) $200 \mu\text{Sv}\cdot\text{h}^{-1} \dots 2000 \text{mSv}\cdot\text{h}^{-1}$ (high dose version BD-01 H)
Energy range	Photons: 10 keV ... 3 MeV Betas : 80 keV ... 3 MeV (calibration using beta fields according ISO 6980)
Components	Display unit / Detachable probe
Detector	Ionisation chamber (100 cm ³) Wall: Al and acrylic glass (550 mg.cm ²) Window: Al-coated PETP foil (7 mg...), beta shield, protective grille
Display unit	<ul style="list-style-type: none"> • Large numeric LCD • Auto-ranging • Battery-operated • Manuel zero adjustment possible
Weight	Display unit 800 g Probe 400 g
Dimensions Display unit (L x W x H): Measuring Probe: (\varnothing x H x L):	220 mm x 100 mm x 40 mm 60 mm x 50 mm x 220 mm (Handle: 50 mm)

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