

Kata® DGM-1500 Turva

- RADIATION DETECTED: Gamma and X-ray
- MEASUREMENT UNITS: microSv/h ($\mu\text{Sv/h}$)
- LINEAR RANGE: Dose rate 0.01 - 100 000 microSv/h
Dose 0.001 - 1000 milliSv
- SENSITIVITY: 150 cpm/microSv/h
- ACCURACY: $\pm 5\%$ of the reading when irradiated by Cs-137 at the calibration point at 20 deg. °C.
- LINEARITY: $\pm 10\%$ at 20 °C
- RESPONSE TIMES: Fast measurement mode 2.5 sec.
Automatic measurement mode 3 min. at ambient radiation levels, at increased radiation levels ($> 100 \mu\text{Sv/h}$) 5 sec. Accuracy measurement mode, at low level radiation, integration time long to 3 hours as far as, used in gamma radiation measuring of foodstuff, for example.
- DETECTOR TYPE: Ambient dose equivalent Hp(10) -energy compensated GM-tube, quenching type Neon/Halogen
- ENERGY DEPENDENCE: $\pm 30\%$, 45 keV - 1.25 MeV
- PHYSICAL CHARACTERISTICS: Display type 4 -digit LCD-display 44 x 18 mm. Big dose rate showed like this 30E3 (30 000 microSv/h)
- OPERATING TEMPERATURE RANGE: -30°C to +55°C
- OVERALL DIMENSIONS: L x W x H1/H2, 14.7cm x 9.1cm x 5.2/3.2cm
- WEIGHT: 270 g with battery
- AUDIO SPEAKER: Piezoelectric speaker
- ALARMS: Adjustable dose rate and dose alarm level
- BATTERY: (1) 6LR61, 9 V battery, battery life 300 h (background level), low-battery indication
- CASE: Shock-proof, splash-proof plastic case IP-54
- MAIN ADAPTER: 9 VDC reg. / 2.5 W (3,5 mm plug) diode protected against wrong polarity
- Standard configuration incl. battery, calibration certification and user manual.



Cesium-137 measurement of foodstuff
Accuracy $\pm 200 \text{ Bq/l}$

SPECIAL FEATURES:

- Automatic calculation of Radon-Box 10 (R-10) or automatic calculation with foodstuff measurement of Cesium-137(Cs). HAVE TO DEFINE ON REQUEST!