

Radiation Protection Equipment

Personal Alarm Dosimeter PICO CATCH-100



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PICO CATCH-100

Model Pico Catch-100

Application Personal exposure dose management in an irradiated area and various radiation workplaces.

- Features**
- basic concepts of radiation protection applied
 - Minimize radiation exposure of the worker in the work environment.
 - Stylish design and easy wearing
 - Worn on top pocket or waist belt
 - 1 AA Type Battery
 - LCE numbers, LED and alarm display
 - DE / DER Alarm Thresholds Settings feature (3 each)
 - DE / DER value LCD display
 - DE / DER individual alarm operation function
 - LED-backlit for easier LCD display identification in dark areas.
 - Power on / off function to minimize power consumption.
 - Battery cover double lock to prevent battery release.



Specification	▶ Detector element	GM Tube for x-ray & γ -ray
	▶ Reaction energy range	$\pm 20\%$ from 40keV ~ 2MeV
	▶ Measurement Range	Radiation dose(DER): BKG ~ 100mSv/h Cumulative radiation dose(DE): BKG ~ 10Sv
	Three DER Threshold Levels	BKG ~ 100mSv / h, 3 steps setting Initial Setting Lev1,2,3 (10 μ Sv/h, 100 μ Sv/h, 10mSv/h)
	Three DE Threshold Levels	BKG ~ 100mSv / h, 3 steps setting Initial Setting Lev1,2,3 (400 μ Sv, 1mSv, 10mSv)
	▶ Alarm	Audible: Over 80dB 10cm Buzz Type visual : Red LED Flashing
	▶ Alarm cycle	Normal - 1Beep / 30min First DE(DER) Threshold Level: 240(60)Beep/min Second DE(DER) Threshold Level: 240(120)Beep/min Third DE(DER) Threshold Level: 240(120)Beep/min
	▶ LCD Display	4 Digit Display
	▶ Battery Type / Life	1.5V AA Alkaline (1EA) Typically Max 350 hours (Stand by Status)
	▶ Environmental conditions	Temperature: -20°C to 50 °C Humidity: 95% @ +35°C
	▶ Size and Weight	Case : High impact ABS 60mm(W) X 30mm(L) X 85mm(H), 105g