

Compact Survey Meter

PDR-303



PDR-303 is a well-designed Gamma survey meter for ambient dose rate measurement with a comfortably compact shape. Semiconductor detector with the reasonable water proof (splash proof) structure enables comfortable measurement for any user. TFT color LCD assists users to read the value, and sufficient alarm features (display and sound) inform users when the dose rate exceeds the preset level.

Features

- Wide effective measurement range (0.1 $\mu\text{Sv/h}$ to 1Sv/h)
- Display modes can be selected. (Digital & Analog, Digital & Trend, Digital)
- Alarm & Earphone
- TFT Color LCD
- Data saving & Output by USB

Specifications

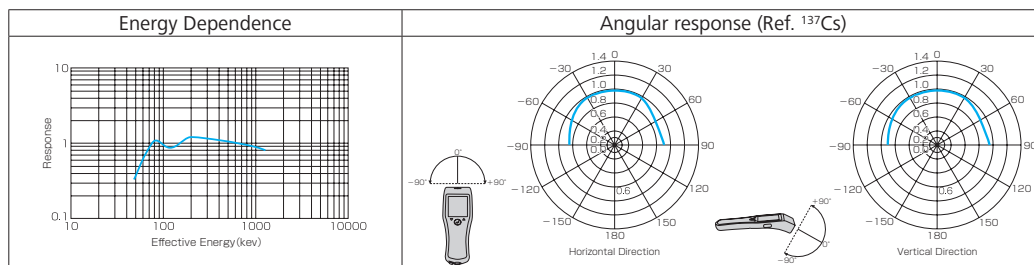
Radiation Detected	Gamma (X-ray) (50keV~)
Detector	Silicon Semiconductor Detector
Measurement Range	0.1 $\mu\text{Sv/h}$ to 1Sv/h
Display Dose Rate	0.00 to 9.99 $\mu\text{Sv/h}$, 10.0 to 99.9 $\mu\text{Sv/h}$, 100 to 999 $\mu\text{Sv/h}$, 1.00 to 9.99mSv/h, 10.0 to 99.9mSv/h, 100 to 999mSv/h, 1.00Sv/h (Auto ranging)
Energy Dependence	$\pm 30\%$ (Ref. ^{137}Cs , 60keV to 1.5MeV)
Accuracy	$\pm 15\%$ (Ref. ^{137}Cs)
Angular Response	$\pm 25\%$ (Ref. ^{137}Cs , $\pm 90^\circ$)
Display	TFT Color LCD
Calculation	Time Constant, Standard Deviation, Precise Calculation (Moving Average)
Alarm Settings	Available (Set value is saved when turned off)
Audible Functions	Measurement Count and Alarm (ON/OFF, Sound volume adjustable)
Backlight	Backlight auto off (You can set within 1 to 999 min.)
Displayed Contents	Dose Rate, Bar Graph (Auto ranging), Maximum Dose Rate, Battery, Overload, Alarm, Time, Trend Chart, Settings List
Data Saving	Continuous Saving, Instantaneous Saving, More than 3,000 data saved
Data Output	USB 2.0 Mass Storage Class, USB 2.0 Communication Class
Earphone Connector	Located in the main unit
Battery	Secondary battery: Lithium-ion secondary battery (K-BAT-33) x 1 Primary battery: AA alkaline battery x 4 (Optional PDR-303-20*1 used)
Battery Life	Approx. 15 hours on Secondary battery Approx. 12 hours on Primary battery (Optional PDR-303-20*1 used)
Environmental Requirements	Temperature: -20 to +50 degrees C Humidity: 90% RH or less (Non-condensing)
Protection Class	IP65(Dust proof water jet proof type) on Secondary battery with the silicon jacket IP64(Dust proof splash proof type) on Secondary battery without the silicon jacket
Dimensions	Approx. (W) 63 x (D) 38 x (H) 201 mm
Weight	Approx. 200 g (incl. secondary battery) Approx. 290 g (incl. primary battery) (Optional PDR-303-20*1 used)
Others	Compliance with IEC 60846-1:2009

* 1 Option: Primary battery holder PDR-303-20 is required when the primary battery is used.

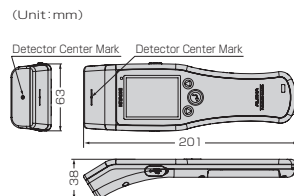
Standard configuration

1 Main Unit (incl. Lithium-ion secondary battery), 1 Protective silicone cover, 1 Strap, 1 USB Cable (0.5m),
1 Operation Manual, 1 Calibration Certification

Characteristics Data



Dimensions



• Specifications and appearance may be subject to change for improvement without notice.
• For proper use of the system, be sure to read the operating manual prior to placing it into service.



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We operate with regard for the environment.

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