

POCKET DOSEMETER

口袋剂量计

GAMMA, X-RAY, NEUTRON

γ , X, 中子

Model ~ NRF31

FEATURES: 特点

- PORTABLE
便携
- GAMMA, X-RAY, NEUTRON DETECTION
伽马, X, 中子检测
- USER SETTABLE ALARM
用户设定报警
- AUDIBLE ALARM
声音报警
- LONG BATTERY LIFE
长寿电池
- WATERPROOF
防水
- IMPACT RESISTANT
耐冲击
- ELECTROMAGNETIC INTERFERENCE RESISTANCE
抗电磁干扰



FUJI NRF31



FUJI NRF31
DISPLAY

APPLICATION: 应用

Gamma, X-Ray & Neutron dose monitoring restricted areas of Nuclear Power Stations & other Nuclear Facilities:

核电站和其它核设施需要严格监测伽马剂量的地方。

DESCRIPTION;

Protect personnel with the NR31 Pocket Dosemeter.

Dose, Dose Rate, and Operating Time alarm values can be Preset.

使用 NR30 口袋型剂量计保护人员安全。可预设剂量，剂量率，操作时间，报警值。

OPTIONAL: The Setting Device communicates the data with EPD using IR. The Setting Device reads the setting value/accumulated dose and writes the setting value into EPD.

选项：设定装置使用IR与EPD进行数据通信，设定装置读出设定值/累计剂量并且将设定值输进EPD。



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SPECIFICATIONS

规格

Radiation detected:	Gamma, X-Ray, Neutron
探测辐射:	γ , X-射线, 中子
Detector:	Silicon Semiconductor
探测器:	硅半导体
Total Dose:	0.1 mSv to 9.9999 Sv, ¹³⁷ Cs -10.000 mrem to 999.9 mrem
总剂量:	
Accuracy:	Gamma: $\pm 10\%$ 伽马
	Neutron: $\pm 15\%$ (0.5 mSv to 9.9999 Sv, ²⁵² Cf) 中子
精度:	
Energy Range:	Gamma: 50 KeV to 6 MeV
	Neutron: 0.025eV to 15 MeV
能量范围:	
Energy Response:	Gamma: $\pm 20\%$ (50 KeV to 6 MeV, ¹³⁷ Cs)
	Neutron: $\pm 50\%$ (250 KeV to 4.5 MeV, ²⁵² Cf)
能量响应:	
Angular Response:	Gamma $\pm 20\%$ (Up to $\pm 60^\circ$ vertical & horizontal, ¹³⁷ Cs)
	$\pm 50\%$ (Up to $\pm 60^\circ$ vertical & horizontal, ²⁴¹ Am)
	$\pm 30\%$ (All around horizontal, ¹³⁷ Cs Free Air)
	Neutron: $\pm 30\%$ (Up to ± 75 degree, vertical & horizontal, ²⁴¹ Am-BE)
角响应:	



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Linearity for Wide Range Dose Rate:	Gamma: $\pm 10\%$ (0.1 mSv/h to 9.9999 Sv/h, ^{137}Cs) Neutron: $\pm 20\%$ (0.5 Sv to 9.9999 Sv/h, ^{252}Cf)
宽剂量率线性:	
Battery Life:	1 Year or More (8 hour per day, without Alarm & Backlight) OR 4 months Continuous Use
电池寿命:	超过一年 (每天8小时, 不使用报警&背景灯时)
Alarm Volume:	85 dB to 100 dB – User Settable
报警音量:	85*100dB可用户设定
Response Time:	Less than 4sec: over 1mSv/h
响应时间:	4秒内1mSv/h
Display:	LCD with Backlight
显示:	LCD背景灯
Power Supply:	Cr123A Lithium Battery AC adaptor(IN: 100 to 240V AC) (option)
电源:	锂电; AC适配器 (100-240v AC)
Operating Temperature:	-20 to +50 °C / -4 to +122°F
操作温度:	
Operating Humidity:	35 to 95 % (non-condensing)
操作湿度:	
Interface:	Infrared Communication
信号接口:	红外线通讯
Dimensions:	60 mm W x 78 mm H x 27 mm Dia. / 2.4in W x 3 in H x 1 in Dia.
尺寸:	60 mm 宽 x 78 mm 高 x 27 mm直径
Weight:	103 g /3.6 oz approx.
重量:	



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