

# PORTABLE GAMMA SURVEY METER

## 便携式伽马巡测仪

### 'PEGASUS'

Model ~ NHL-4

#### FEATURES: 特点

- PORTABLE 便携
- GAMMA SURVEY DETECTION 探测伽马
- WIDE DOSE RATE RANGE 宽量程剂量率
- HIGH SENSITIVITY 高灵敏
- DUAL DETECTOR: 双探头
  - SCINTILLATOR CsI (TI) 闪烁体
  - SILICON SEMICONDUCTOR 半导体
- USER SETTABLE ALARM 用户设定报警
- AUDIBLE / VISUAL ALARM 声光报警
- RECHARGEABLE ~ LONG BATTERY LIFE 充电电池
- BATTERY INDICATOR 电池指示灯
- USB PORT FOR DATA TRANSFER 数据传输 USB
- WATERPROOF, IMPACT RESISTANT 防水防震
- LIGHTWEIGHT, SINGLE HAND OPERATION 轻量单手操作
- BACKLIT DISPLAY 背景灯
- GPS POSITIONING GPS 定位
- IP54 防护等级



FUJI ~ PEGASUS  
NHL-4

#### APPLICATION: 应用

Gamma dose monitoring restricted areas of Nuclear Power Stations & other Nuclear Facilities:

用于核电站或其它核设施的受监控区域伽马剂量监测

#### DESCRIPTION: 描述

Protect personnel with the NHL-4.

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

使用 NHL-4 进行人员保护

剂量，剂量率，操作时间及报警值可预设

#### SPECIFICATIONS 规格



**TECHNICAL ASSOCIATES**  
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## 便携式伽马巡测仪

### 'PEGASUS'

#### Model ~ NHL-4

Model 型号	NHL4 (US model)
Name 名称	PEGASUS PRO
Radiation detected 探测辐射	Gamma (X-Rays)
Detector 探头	CsI(Tl) scintillator detector and Silicon semiconductor detector
Energy Range 能量范围	50 KeV to 6 MeV
Measurement Range 剂量率量程	0.001 $\mu$ Sv/h to 99.99 mSv/h 0.1 $\mu$ R/h to 9.999 R/h
Accumulated Dose 总剂量量程	0.001 $\mu$ Sv to 99.99 mSv 0.1 $\mu$ R to 9.999 R
Energy Response 能量响应	$\leq \pm 30\%$ (60 keV to 1.5 MeV, $^{137}\text{Cs}$ reference)
Accuracy 精度	$\leq \pm 10\%$ (0.1 $\mu$ Sv/h to 99.99 mSv/h, 10 $\mu$ R/h to 9.999 R/h)
Angular Response 角响应	$\leq \pm 25\%$ (Horizontal Vertical $\pm 90^\circ$ : $^{137}\text{Cs}$ except Battery direction)
Time Constant Setting 时间常数设定	Standard Deviation Fixed mode or Time Constant Fixed mode switchable Time Constant 3 level setting (3 seconds, 10 seconds, 30 seconds)
Display 显示	STN Monochrome LCD
Indication Data 显示数据	Digital and analog Indication of current dose rate, Maximum dose rate, Accumulated dose, Alarm setting value, Battery Indication and Time Indication
Sound Function 声音功能	Counting and Alarm sound (Internal speaker or earphone)
Power Supply 电源	Standard AA Batteries (LR6) x 2 cells Alkaline or Nickel-metal-hydride (USB supply, recharging possible)
Battery Lifetime 电池寿命	$\geq 48$ hours (Continuous operation, when counting sound OFF, communication function OFF)
Communicating Functions 通信功能	USB, GPS (Positioning)
Operating Temperature 操作温度	-20 $^\circ\text{C}$ to +50 $^\circ\text{C}$
Operating Humidity 湿度	$\leq 95\%$ RH (Non-condensing)
Degree of Protection (IP Code) 保护等级	IP54
Weight: 重量	Approx. 60 (W) x 27 (D) x 120 (H) mm / Approx. 2.4 (W) x 1.1 (D) x 4.7 (H) inches
Mass 重量	Less than 200 g / 0.44 lb. (excluding Batteries)
Compliance Code 符合准则	JIS Z 4333 (2006)

Note) 1 Sv = 100 R



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