

# Gamma Neutron pager™

## Hand-held Gamma-Neutron Monitor

- Neutron count rate indication
- Reference to the neutron background
- Shock-resistant aluminum case
- Small in size and light weight



The PM1710GN has the standard functions of the PM1710 and it can be used to search for, detect and locate gamma or neutron sources, including special nuclear materials. Radiation levels, gamma and/or neutron, that exceed the alarm threshold are stored in the non-volatile memory.

<b>Detector</b>	He-3 counter
<b>Energy range for neutrons</b>	Thermal-14MeV
<b>Detection of neutron source</b>	Meets the ITRAP requirements
<b>Battery lifetime</b>	600 hours
<b>Dimensions (without clip)</b>	170x82x32mm (6.7"x3.2"x1.2")
<b>Weight (including the battery)</b>	650 g (23 oz)
<b>Water tightness</b>	IP 67
<b>option waterproof</b>	to 20m (66 ft)

\* - Other specifications are identical with the PM1710



- Drop test** 0.7 m on concrete surface
- Dimensions (without clip)** 170x57x32 mm (6.7"x2.2"x1.2")
- Weight (including the battery)** 400 g (14 oz)

## Hand-held Gamma Monitor



- Hand-held instrument
- Highly sensitive to gamma radiation
- Alarm level is referenced to the ambient gamma background
- Configuration via PC

The PM1710 is used to search for, detect and locate gamma sources. The history of the operations is stored in its non-volatile memory and may be transferred to a PC.

<b>Type of detector</b>	CsI(Tl) scintillator
<b>Detection of sources</b>	Meets the ITRAP requirements
<b>Energy range</b>	0.06-3.0 MeV (option 0.045 - 3.0 MeV)
<b>Measurement range of dose equivalent rate (at Cs-137)</b>	10-2500 µR/h (0.1 - 25 µSv/h)
<b>Measurement time</b>	0.25 s
<b>Alarm types</b>	audio tone and/or vibration
<b>Power requirements</b>	One AA size battery
<b>Battery lifetime</b>	700 hours
<b>Communication with PC</b>	through IR-interface
<b>Temperature range</b>	-30°C to +50°C (-22°F to +122°F)
<b>Water tightness</b>	IP67

