



# PERSONAL RADIATION MONITOR/DOSIMETER

## PM1605BT



### Networkable technology for First Responders, HAZMAT teams and Firefighters

This instrument is designed for use in extreme conditions of high temperature, low visibility, loud noise and multiple shocks.

The design of the instrument has two large buttons that enable a user to operate the device with protective gloves.

The unit is "network ready" for automatic data transmission via smart phones application.

**PM1605BT** is equipped with GM tube based detector to measure dose and dose rate gamma radiation in wide energy range.

Device can exchange data with mobile devices in real time via Bluetooth wireless connection.

Special app for Android mobile devices is available for free download from the Google Play for using with PM1605BT.



### Features

- Rugged aluminium enclosure is resistant to extreme temperature up to 100 °C (212 °F) for 2 minutes, water immersion, including salt-water up to 1 m (3.3 ft) for at least 2 hours
- Environmental protection IP68
- Operating temperature -30°C (-22°F) up to 65°C (149°F)
- Energy range from 48 keV
- Large, easy-to-read LCD display
- Option to select readings in R or Sv
- Uses standard AA alkaline battery or rechargeable battery, can be powered by USB
- Battery lifetime 6 months

### Alarms

- Bright visual alarm
- Audible alarm 85 dBA at 30 cm
- Vibration alarm



**RESPONSE**

**LOCATION**

**MEASUREMENT**



# PERSONAL RADIATION MONITOR/DOSIMETER

## PMT605BT

### SPECIFICATIONS

<b>Detector</b>	<b>Geiger-Mueller tube</b>
<b>Dose rate measurement range</b>	<b>0.1µSv/h - 10Sv/h (10µR/h - 999R/h)</b>
<b>Dose rate accuracy</b>	<b>± 15%</b>
<b>Dose measurement</b>	<b>100µR - 999 R (1 µSv - 100 Sv)</b>
<b>Dose accuracy</b>	<b>± 15%</b>
<b>Energy range</b>	<b>0.048 - 3 MeV</b>
<b>Energy response relative to 0.662 MeV (<sup>137</sup>Cs)</b>	<b>± 30%</b>
<b>Instrument remains operable after short-time exposure (10 minutes) to gamma radiation with dose rate up to</b>	<b>10 000 R/h (100 Sv/h)</b>
<b>Alarm types</b>	<b>audio, visual, vibration</b>
<b>Memory</b>	<b>2000 history events</b>
<b>PC Communication</b>	<b>USB</b>
<b>Wireless Communication</b>	<b>Bluetooth 4.0</b> (BLE112 Bluetooth <sup>®</sup> low energy module)
<b>Power</b> <b>Battery</b> <b>Battery discharge control</b> <b>External power supply</b>	<b>One AA battery/rechargeable battery</b> <b>Pictogram on LCD</b> <b>USB</b>
<b>Operating temperature</b>	<b>-30 up to +65 °C (-22 up to +149 °F)</b>
<b>Relative air humidity (+40 °C and lower)</b>	<b>up to 98 %</b>
<b>Protection degree</b>	<b>IP68</b> , instrument case protects against water during submersion for 2 hours at a depth of 1 m (3.3 ft)
<b>Drop test</b>	<b>1.5 m (4.9 ft)</b>
<b>Dimensions</b>	<b>114x62x20 mm (4.48x2.44x0.78 in)</b>
<b>Weight (including battery)</b>	<b>250 g (0.55 lb)</b>

\*Contains FCC ID: QOQBLE112  
Contains IC: 5123A-BGTBLE112

**Designed to meet ANSI N42.33 (most relevant parts)**



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