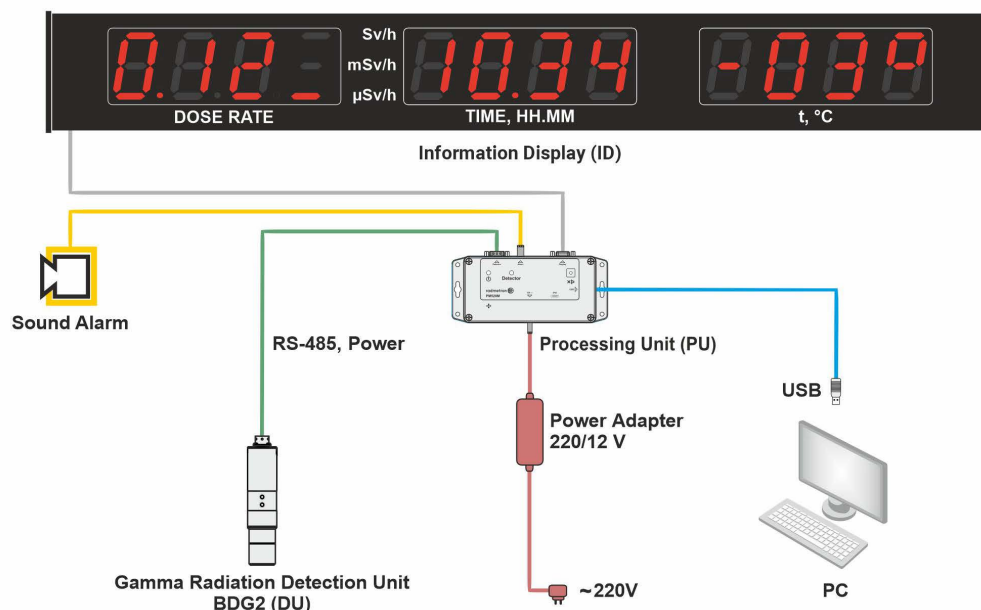


RADIATION MONITORING SYSTEM WITH INFORMATION DISPLAY

PM520M

RADIATION MONITORING OF PREMISES AND FACILITIES



Purpose

PM520M is designed to monitor the radiation situation and ensure the radiation safety at various facilities.

Description

PM520M includes an Information Display (ID), a Processing Unit (PU) and a Gamma Radiation Detection Unit (DU).

ID and DU are connected to the PU and powered via the RS485 communication line up to 1000 m.

PU is powered from a 12-24 V DC power supply. The PM520M includes a 220 V/12 V AC power adapter (optional).

DU continuously measures the **ambient dose equivalent rate (DER)** and displays the measurement result on the ID.

The software allows you to set the DER threshold value. When threshold value is exceeded, sound and light alarms are triggered.

The PM520M includes an external additional sound and light signaling device (optional).

PU has a built-in non-volatile memory for storing information about the instrument operation.

PU can be connected to a PC via the USB interface for configuration, diagnostics and viewing information stored in the non-volatile memory.

PM520M has 3 versions:

- **PM520M-01** displays the measured DER value, current time and temperature;
- **PM520M-02** displays the measured DER value and current time;
- **PM520M-03** displays only the measured DER value.

RADIATION MONITORING SYSTEM WITH INFORMATION DISPLAY PM520M



Specifications

Detector	Geiger-Mueller counter
Registered energies range	Gamma radiation 50.0 keV – 3.0 MeV (BDG2-1) 30.0 keV – 3.0 MeV (BDG2-2)
Ambient dose equivalent rate (DER) measurement range	0.1 µSv/h – 0.1 Sv/h (BDG2-1) 0.1 µSv/h – 10.0 Sv/h (BDG2-2)
Working temperature	from –20 °C to 50 °C
Power supply	- 12-24 V DC network - 220 V AC network, 50 Hz (with adapter)
Communication lines length	- ID: up to 25 m - DU: up to 100 m (up to 1000 m with convertor)
Ingress protection	- DU – IP67 - PU – IP41 - ID – IP41 (IP67 on request)
Alarm types	- built-in sound and light on PU - light on ID - additional external
Dimensions, mm	- ID: 1050/750/400x70x135 - PU: 190x55x80 - DU: 165xØ40

Design of all elements allows them to be wall-mounted

Design and specifications of the product can be changed without further notice.

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