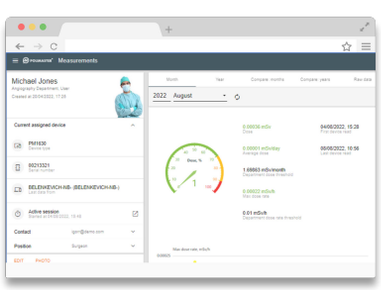
POLIMASTER®

Radiation Detection Technologies

AUTOMATED PERSONAL DOSIMETRY SYSTEM PM530

PM530 Automated Personal Dosimetry System is designed for dosimetry data collection and processing and helps to ensure accurate radiation exposure monitoring. APDS provides cost-effective dose monitoring for medical, nuclear, industrial and security applications. PM530 consists of the **software or hardware reader** for data read-out and **server software** for secure management, analysis, and reporting of occupational exposure data.

PM530 Software Reader
(Windows OS) for collecting data from dosimeters via **IR** / **USB** / **Bluetooth** and changing dosimeter settings



PM530 Server Software
for uploading data from readers to the cloud or local server database and secure storing, processing and reporting

PM530 Hardware Reader
for collecting data from dosimeters via **IR** / **USB** and changing dosimeter settings

Applications

- Nuclear power plants
- Customs and border
- Police and security
- Industrial facilities
- Healthcare

Features

- Compatible with the **RadFlash®**, **PM1610** and **PM1703MO-1BT**
- Adjustment and assigning of the dosimeters via readers
- Integration of up to 10000 dosimeters and 500 readers
- Compact portable reader for fast and easy read-out
- Easy set-up and configuration

PM530
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SPECIFICATIONS: PM530 HARDWARE READER

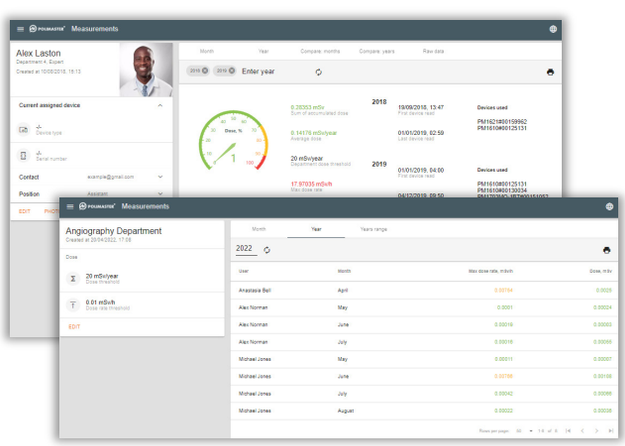
Communication with server	Ethernet, Wi-Fi
Communication with dosimeters	PM1703MO-1BT - IR, PM1610 - USB
Memory	≥ 100000 data points
Power supply	mains or built-in battery
Battery life	≥ 3 h
Ingress protection	IP20
Weight	≤ 2 kg
Dimensions	195×275×140 mm
Operating temperature	0 °C to 60 °C

SPECIFICATIONS: PM530 SOFTWARE READER

Communication with server	Ethernet, Wi-Fi
Communication with dosimeters	PM1703MO-1BT - IR, PM1610 - USB RadFlash - Bluetooth
System requirements	OS Microsoft Windows® 10 Microsoft .NET Framework v.4.5.1 or higher

PM530 SERVER SOFTWARE FUNCTIONALITY

- Data export and reporting (various types of reports)
- Creation of a customizable hierarchical database
- Adding new dosimeters and users to the APDS
- Setting individual and collective thresholds
- Accumulation and storage of dose data
- Password-protected three-level access
- Assigning dosimeters to users



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