

تحية طيبة و بعد ..

تتشرف جمعية رجال الأعمال المصريين الأفارقة بإحاطة سيادتكم بأنه قد ورد إلينا من:

استكمالاً للجهود المستمرة التي تبذلها جمعية رجال الأعمال المصريين الأفارقة (EABA) في توفير الفرص التجارية والاستثمارية لأعضائها، وتعزيز التعاون مع السفارات والجهات الدولية، ورد إلينا عرض من شركة بيلاروسية متخصصة في تطوير وتصنيع حلول وتقنيات مراقبة الإشعاع، والتي تشمل أنظمة متقدمة مخصصة للموانئ والمنافذ الحدودية والمطارات والمختبرات المعتمدة، بما يواكب متطلبات الأمن والسلامة والإجراءات الرقابية.

وتفضلوا بقبول فائق الاحترام والتقدير.

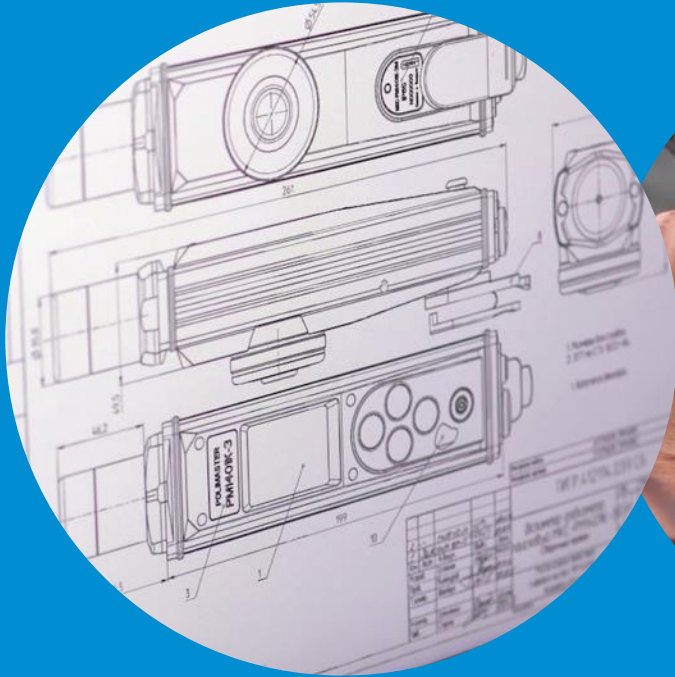
رئيس مجلس إدارة جمعية
رجال الأعمال المصريين الأفارقة


جمعية رجال الأعمال المصريين الأفارقة
Egyptian African Businessmen's Association
6779/2020
د/ يسري الشرفاوي

الأمين العام لجمعية
رجال الأعمال المصريين الأفارقة

مصطفى الواسع

م/ مصطفى الامير

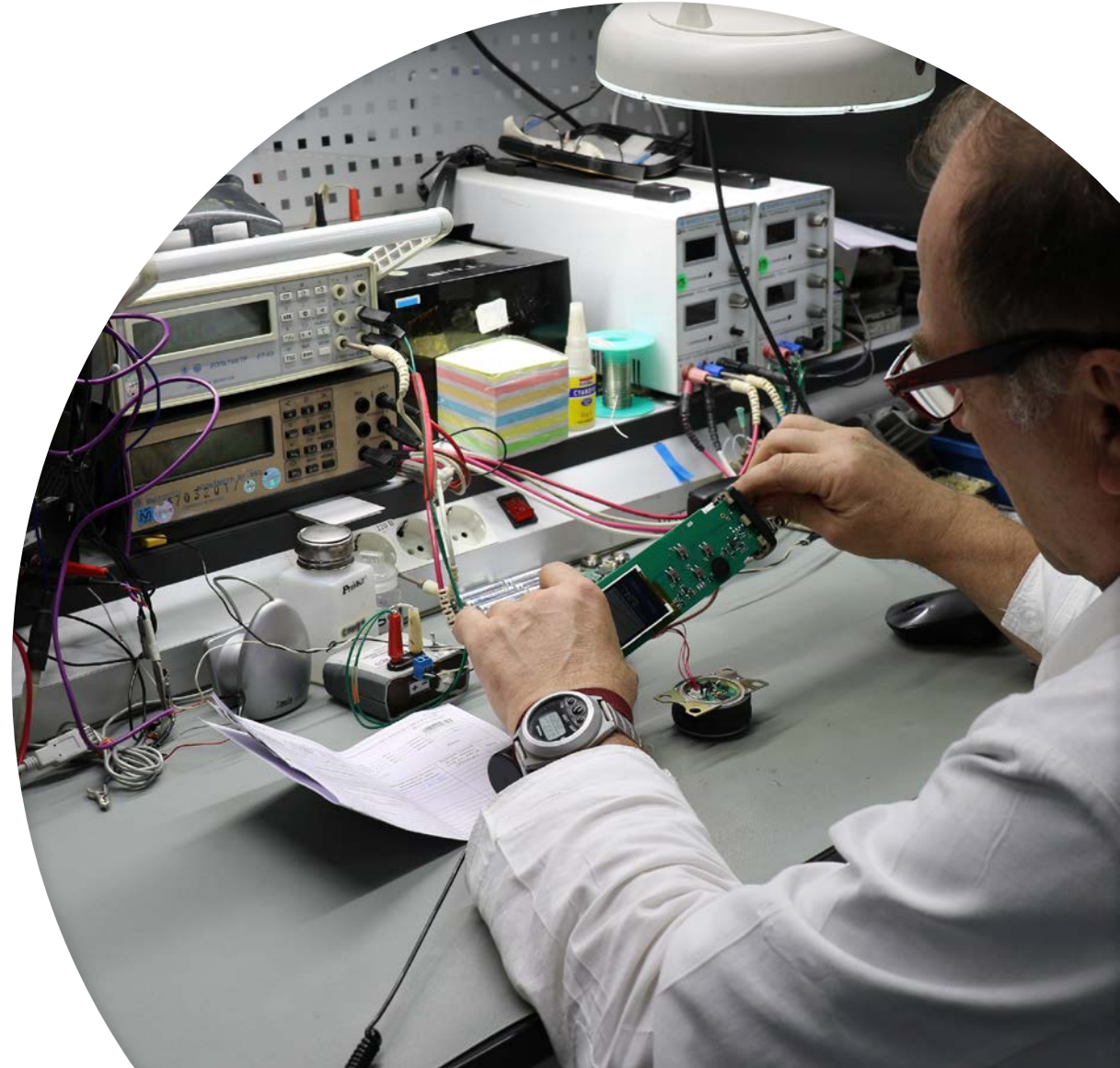


**RADIATION MEASUREMENTS
FOR YOUR SAFETY**



RADMETRON

is a Belarusian science & technology company that develops and manufactures a wide range of equipment, instruments and software for radiation control.



HISTORY



1986

Intermaster

After the Chernobyl NPP accident, a talented engineer Alexander Antonovsky and his team developed the first dosimeter in the former USSR for a wide range of users



1992

Polimaster Ltd.

Polimaster Ltd. establishment in Belarus by a group of like-minded people led by Alexander Antonovsky



2004

Polimaster Inc.

Opening of an office in the USA to meet the needs of security and emergency response services.



2011

Polimaster Pacific

Opening of an office in Japan to help after the Fukushima NPP accident



2012

UAB Polimaster Europe

Opening of an office in Lithuania for the dealer network expansion in European countries



2022

Radmetron Ltd.

Reorganization of Polimaster Ltd. into Radmetron Ltd.

RADMETRON COMPLEX APPROACH



RESEARCH & DEVELOPMENT

- 30 years of experience
- International standards compliance
- High-skilled team of design engineers
- In-depth study of customer needs
- Numerous patents

MANUFACTURING

- Own multifunctional test and metrological facilities
- Serial production and products customization at the customer request
- Certified manufacturing and quality control systems

CONSULTING & COMMISSIONING

- Online and offline consultations on equipment operation
- Individual approach to complex projects
- Distance learning management system

SERVICE & MAINTENANCE

- Technical support
- Authorized service centers' network
- Installation and commissioning of equipment



RADMETRON PRODUCT PORTFOLIO

RADMETRON PRODUCT PORTFOLIO



Personal dosimetry

Search and identification

Detection and signalization

Ensuring
measurement
accuracy



Electronic
Dosimeters

Search
Detectors

Hand-held
Radiation
Monitors

Radiation
Portal
Monitors

Combined
Solutions

Calibration
Equipment

RADMETRON PRODUCTS

PERSONAL SAFETY



Software Personal Dose Tracker (PDT)



PM1621



**PM1401P-01
PM1401P-01B**



PM1300



PM1300GN



PM1611



PM1211

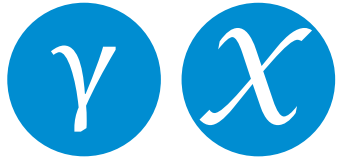


**PM1401P
PM1401PB**



PM1603

Electronic Dosimeter PM1211



Automatic calculation and display of the countdown of safe stay near an ionizing radiation source

DER 0.1 $\mu\text{Sv/h}$ - 100 mSv/h

DE 1 μSv - 25 Sv

E γ 48 keV - 3.0 MeV

Weight 130 g

IP 54

t -40°C – +60°C

PC USB



Electronic Personal Dosimeter PM1300



DER 1 $\mu\text{Sv/h}$ - 10 Sv/h

DE 0.01 μSv – 20 Sv

E γ 15 keV - 20 MeV

Weight 84 g

IP 67

t -20°C – $+50^{\circ}\text{C}$

PC USB, RF



Electronic Personal Dosimeter PM1300GN



DER γ 1 $\mu\text{Sv/h}$ - 20 Sv/h
DER n 50 $\mu\text{Sv/h}$ - 0.2 Sv/h

DE γ 1 μSv - 20 Sv
DE n 50 μSv - 0.2 Sv

E γ 15 keV - 20 MeV

Weight 200 g

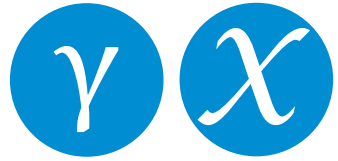
IP 67

t -20°C - +50°C

PC USB, Ethernet, RS485



Wrist Gamma Dosimeter PM1603A



DER 1 μ Sv/h – 5.0 Sv/h
1 μ Sv/h – 10 Sv/h

DE 1.0 μ Sv - 9.99 Sv

E γ 48 KeV – 3 MeV

Weight 85 g

IP 67

t -20°C – +70°C

PC IR



X-ray and Gamma Radiation Personal Dosimeter PM1621/A



DER 0.1 $\mu\text{Sv/h}$ – 0.1 Sv/h
0.1 $\mu\text{Sv/h}$ – 1.0 Sv/h

DE 1 μSv – 9.99 Sv

E γ 10 KeV – 20 MeV

Weight 165 g

IP 67

t -20°C ... +70°C

PC IR



X-ray and Gamma Radiation Personal Dosimeter PM1621M/MA



Additional search
mode

DER 0.1 $\mu\text{Sv/h}$ – 0.1 Sv/h
0.1 $\mu\text{Sv/h}$ – 1.0 Sv/h

DE 1 μSv – 9.99 Sv

E γ 10 KeV – 20 MeV

Weight 185 g

IP 67

t -20°C ... +70°C

PC IR



X-ray and Gamma Radiation Personal Dosimeter PM1611



Measurement of pulsed
radiation (>1 ms)

DER 0.1 $\mu\text{Sv/h}$ – 10 Sv/h

DE 0.05 μSv – 10 Sv

E γ 20 KeV – 10 MeV

Weight 70 g

IP 67

t -20°C ... +50°C

PC USB



Personal Radiation Detector PM1401P / PM1401PB



γ

α

Ambient dosimeter
and radiation detector

DER 0.1 $\mu\text{Sv/h}$ – 300 $\mu\text{Sv/h}$

DE 0.1 μSv – 2.0 Sv

E γ 33 keV – 3.0 MeV

IP 67

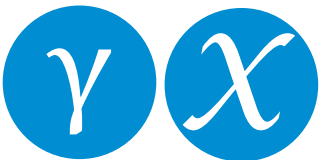
t -30°C ... +50°C

PC USB Type-c,
Bluetooth (PM1401PB)

Weight ≤ 200 g



Personal Radiation Detector PM1401P-01 / PM1401P-01B



Personal dosimeter and radiation detector

DER 0.1 $\mu\text{Sv/h}$ – 300 $\mu\text{Sv/h}$

DE 0.1 μSv – 2.0 Sv

E γ 33 keV – 3.0 MeV

IP 67

t -30°C ... +50°C

PC USB Type-c,
Bluetooth (PM1401PB)

Weight ≤ 200 g



RADMETRON PRODUCTS

RADIATION MONITORING

RADIATION MONITORING SYSTEM PM520M



WITH INFORMATION DISPLAY



Information Display



Sound Alarm

RS-485, Power



Processing Unit

Power Adapter
220/12 V

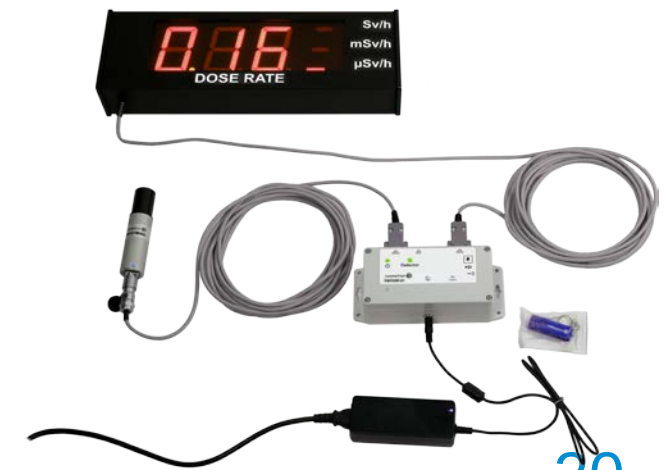
USB



PC

Gamma Radiation Detection Unit
BDG2

~220V



RADIATION MONITORING SYSTEM PM520M-mini



WITH BUILT-IN DISPLAY



RADMETRON PRODUCTS

SEARCH AND IDENTIFICATION

Personal Radiation Detector PM1401GNM



DER γ 0.1 – 9999 $\mu\text{Sv/h}$

E γ 33 KeV – 3 MeV

E n 0.025 eV – 14 MeV

IP 67

t $-30^{\circ}\text{C} \dots +50^{\circ}\text{C}$

PC USB

Weight 450 g



Gamma Personal Radiation Detector PM1401MA



DER γ 0.05 – 40 $\mu\text{Sv/h}$

E γ 60 KeV – 3 MeV

E n 0.025 eV – 14 MeV

IP 67

t -30°C ... +50°C

PC USB

Weight 320 g



Survey Meter PM1405P



γ

χ

α

β

DER γ 0.1 $\mu\text{Sv/h}$ – 300 mSv/h

E γ 50 keV – 3 MeV

α : 2.0 – 10⁵ min⁻¹·cm⁻²

β : 6.0 – 10⁵ min⁻¹·cm⁻²

PC USB Type-C

Weight 340 g



RADMETRON PRODUCTS

COMBINED PRODUCTS
SEARCH, LOCALIZATION AND IDENTIFICATION

Spectroscopic Radiation Monitor PM1403



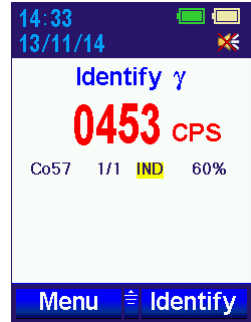
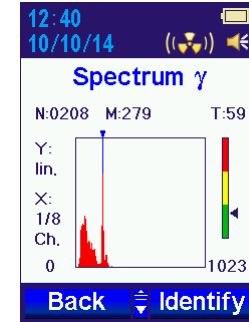
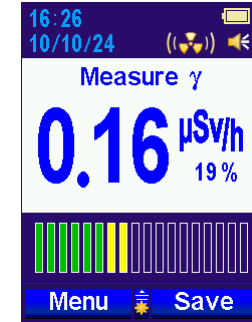
SRM: gamma measurement and spectrometry (CsI)
DER: 0.1 – 100 $\mu\text{Sv/h}$

BDG2: gamma measurement (GM)
DER: 0.1 $\mu\text{Sv/h}$ – 10 Sv/h

BDG3: gamma measurement and search (CsI)
DER: 0.1 – 40 $\mu\text{Sv/h}$

BDN: neutron search (^3He)
DER: 1 – 5000 $\mu\text{Sv/h}$; E n: from thermal. – 14.0 MeV

BDAB: α - β measurement (proportional counter)
 α : 1 – $5 \cdot 10^5 \text{min}^{-1} \cdot \text{cm}^{-2}$; β : 10 – $10^6 \text{min}^{-1} \cdot \text{cm}^{-2}$





Multipurpose Hand-Held Radiation Monitor/Identifier PM1401K-3



γ

X

n

α

β

γ channel 1: search and and spectrometry (CsI(Tl))

DER 0.1 μ Sv/h – 100 mSv/h

E γ 33 KeV – 3 MeV

γ channel 2: measurement (GM)

DER 0.1 μ Sv/h – 10 Sv/h

E γ 15 KeV – 15 MeV

n channel: search (^3He)

DER 1 – 5000 μ Sv/h

E n 0.025 eV – 14.0 MeV

α - β channel: measurement (GM)

α : 15 – 10⁵ min⁻¹·cm⁻²

β : 6 – 10⁵ min⁻¹·cm⁻²





RADMETRON PRODUCTS

COMBINED PRODUCTS CONTRABAND DETECTOR

Contraband Detector PM2030



Survey mode: detection of hidden items (drugs, explosives, weapons, currency, etc.)

Search mode: search for γ radiation

Identification of the material of the detected attachment: plastic, 6 groups of metals (40 chemical elements)





RADMETRON PRODUCTS

COMBINED CHEMICAL AGENT AND GAMMA RADIATION DETECTION PRODUCTS

Combined Chemical Agent and Gamma Radiation Detector PM2012M



DER γ 1 $\mu\text{Sv/h}$ – 10 Sv/h

DE γ 1 μSv – 9.99 Sv

E γ 48 KeV – 3 MeV

Organophosphorus compounds
5,10⁻⁵ mg/l in 15 s

Arsenic-containing compounds
2,10⁻⁴ mg/l in 5 s



RADMETRON PRODUCTS

DETECTION AND ALARM

Radiation Monitor PM5000B



Airports, seaports, railway
stations, customs (vehicles)

Pedestrian & Luggage

IP 65

t $-30^{\circ}\text{C} - +50^{\circ}\text{C}$

PC Ethernet





Radiation Monitor PM5000P



Pedestrian & Luggage

IP 55

t -30°C – +50°C

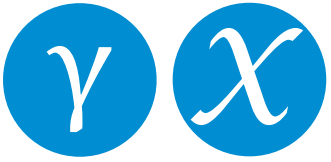
PC Ethernet

Battery Lifetime: 4 h





Radiation Monitor PM5000KM



Scrap metal industry
NPPs and nuclear industry
Mining industry
Radioactive waste disposal and
storage sites

Pedestrian & Luggage

IP 55

t $-30^{\circ}\text{C} - +50^{\circ}\text{C}$

PC Ethernet

Battery Lifetime: 4 h



RADMETRON PRODUCTS

CALIBRATION & QUALITY ASSURANCE

Automatic Irradiation Calibration System PM9100 series



γ



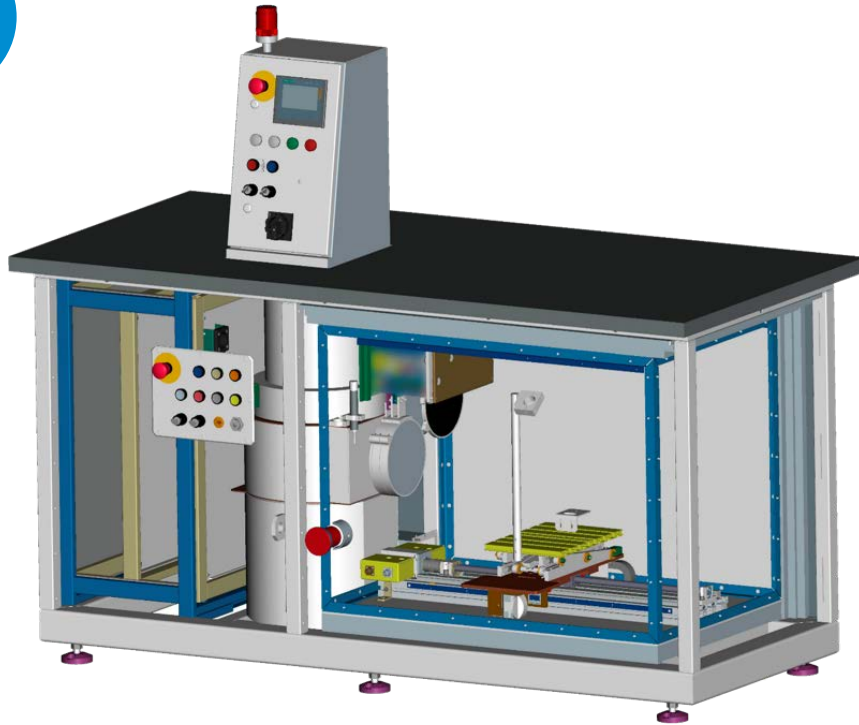
Neutron Irradiation Calibration System PM9200 series



Self-Contained Gamma Irradiator PM9300



γ



Does not require a specially designed room or any additional shielding

Low-cost design and installation





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