

Ministry of Economy of Ukraine
Certification and Conformity Assessment Body "Metrology"
NNC "INSTITUTE OF METROLOGY"
Accredited by the National Accreditation Agency of Ukraine,
Accreditation certificate dated 15 June 2021 No. 1O251

CERTIFICATE OF CONFORMITY

Issued to: Private Enterprise "SPPE "Sparing-Vist Center",
33 Volodymyra Velykoho Str., Lviv, 79026, Ukraine;
USREOU code 22362867

In accordance with: Annex 3, section "Conformity assessment procedures". Module F (conformity of type according to the results of inspection of measuring instruments) of Technical regulation of legally regulated measuring instruments approved by the CMU Resolution No. 94 of 13 January 2016

Type of measuring instruments: Electronic personal dosimeters

Type designation: EPD-27, modifications of EPD-27 "DoseG" and EPD-27 "DoseGX"

Number of type examination certificate: No. UA.TR. 113-0679-21 dated 31 December 2021

Number of pages: 02

Number of Designated body: UA.TR.113

Date issued: 31.12.2021 **Valid until:** 30.12.2022

Director of the conformity assessment body */Signature/*
(signature)

Pavlo NEIEZHMAKOV
(initials, family name)

*Stamp: Ministry for Development of Economy, Trade and Agriculture of Ukraine * National Scientific Center "Institute of Metrology" * Kharkiv * Conformity assessment body No.02568325*

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Address: 42 Myronosytska Str., Kharkiv, Ukraine, 61002

Phone: +38 057 704-98-49 Fax: +38 057 700-34-47 e-mail: os_096@metrology.kharkov.ua website: <http://www.metrology.kharkov.ua>

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Applicable standards: DSTU 7215:2011 "Individual electronic X-ray and gamma radiation dosimeters. Classification and general specifications";
GOST 27451-87 "Ionizing radiation measuring instruments. General specifications";
DSTU 7363:2013 "Metrology. Measuring equipment software. General specifications";

1 Results:

According to the research and testing results, electronic personal dosimeters EPD-27, modifications EPD 27 "DoseG" and EPD-27 "DoseGX" with the factory numbers specified in clause 2 of this certificate correspond to the approved type described in the type examination certificate and applicable requirements of the Technical Regulation.

To verify the compliance of electronic personal dosimeters EPD-27, modifications EPD 27 "DoseG" and EPD-27 "DoseGX" to such requirements, the tests set out in GOST 27451-87, GOST 22261-94, DSTU 7363:2013 standards were conducted, in particular:

- p. 7.1 of GOST 22261-94 – sealing, delivery kit and labeling;
- p. 4.6 of GOST 27451-87 – measurement and indication range of gamma radiation individual DER;
- p. 4.6 of GOST 27451-87 – measurement and indication range of X-ray radiation individual DER;
- p. 4.6 of GOST 27451-87 – main relative permissible error limit during measurement of gamma radiation individual DER at ¹³⁷Cs calibration with a confidential probability of 0.95;
- p. 4.6 of GOST 27451-87 – measurement and indication range of gamma radiation individual DE;
- p. 4.6 of GOST 27451-87 – measurement and indication range of X-ray radiation individual DE;
- p. 4.6 of GOST 27451-87 – main relative permissible error limit during measurement of gamma radiation individual DE at ¹³⁷Cs calibration with a confidential probability of 0.95;
- p.4.11 of GOST 27451-87 – energy range of detected gamma radiation;
- p.4.11 of GOST 27451-87 – energy range of detected X-ray radiation;
- p.4.11 of GOST 27451-87 – energy dependence control at measurement of individual DER and DE of gamma radiation;
- p.4.11 of GOST 27451-87 – energy dependence control at measurement of individual DER and DE of X-ray radiation;
- p.4.13 of GOST 27451-87 – instability of dosimeter readings during 8 h of continuous operation;
- p.5.2, p. 5.3 – software (SW) testing.

Number of test report: No. 6/0679.II.525 B/11-21

Date of test report: 22 November 2021

Item/serial numbers: EPD-27 "DoseG" Personal Electronic Dosimeters,
Ser. Nos: 2100004, 2100005, 210006 (3 pcs.) with firmware version P.2.0.1;
EPD-27 "DoseGX" Personal Electronic Dosimeters,
Ser. Nos: 2100003, 2100004, 210004 (3 pcs.) with firmware version P.2.0.1;
Total pieces: 6 pcs.

Additional Information:

Customer of works – Private Enterprise "SPPE "Sparing-Vist Center";
33 Volodymyra Velykoho Str., Lviv, 79026 Ukraine;
EDRPOU code 22362867.
State Classifier of Goods and Services code of the product – 26.51.41.

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