



# DOSE-X

Next-Generation Reference Class Electrometer

Exceeding IEC 60731 standards

# DOSE-X

## Reference Class Electrometer

### Meaningful innovation for your absolute dose measurements

The DOSE-X is a portable, single-channel reference class electrometer exceeding IEC 60731 standards. Featuring high-precision technology, easy-to-use functionality and an intuitive user interface, the DOSE-X provides accurate measurements for your absolute dosimetry needs. Convenient automation, optimized workflows, and enhanced flexibility support your time-saving and efficient measurement protocols.



### Stand-alone and remote access with full functionality

- \_ Browser-based remote access
- \_ Flash compatible
- \_ Supports your TG-51 QA protocols
- \_ Connectivity via Wi-Fi or Ethernet

### Supports all correction factors

- $K_{User}$ ,  $K_Q$ ,  $K_{Tp}$ ,  $P_{Ion}$ ,  $K_{Pol}$ ,  $K_{Detector}$
- \_ Device calibration factor enables cross calibration to a department reference electrometer
- \_ Constant monitoring of measurement parameters

### Library functions

- \_ Extended detector library
- \_ Check source library
- \_ Machine library

### Fully documented API

- \_ Operate your DOSE-X remotely with API through your preferred software environment

### Intuitive 10-inch HD touch screen

- \_ Easy and efficient overview on one screen
- \_ Workflow-optimized next-generation user interface

#### Use

Reference class 60731

#### Display

10" HD Touch

#### Connectivity

1 Gbps, Wi-Fi 5 [802.11ac], 2.4 GHz & 5 GHz, USB 3.0 Host

#### Dimensions [mm × mm × mm] :

249.7 × 201.9 × 123.4

#### Weight

4.6 kg

#### Power supply

100-240V, 50/60Hz

#### Range [current]

600fA...24  $\mu$ A

#### Range [charge]

6pC... the maximum charge per pulse is limited to 65nC at a pulse repetition frequency  $\leq$  400Hz. The total charge is not limited.

#### Resolution [current]

1fA

#### Resolution [charge]

1fC

#### Repeatability

0.18% pm 0.05%

#### Long-term stability

< 0.2%

#### Response-time

< 1.5s

#### Non-linearity

0.25%

#### Zero drift

0.25%

#### Bias voltage

$\pm$  50V ...  $\pm$  500V,  $\pm$  2%

#### Zeroing

60s

#### Connectors

TNC triax, BNC triax

#### IBA Dosimetry

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Certified

