

## Product Datasheet

# QUART didoEASY R

Precision Dosimeter for R+F, Dental and Mammography

The QUART didoEASY R is designed for precision measurement in radiography X-ray QA/QC. Dose and exposure time are measured for all Rad, Fluoro and Dental applications at equipment using digital or screen-film image acquisition technology. The meter automatically compensates all radiation qualities, no extra corrections are required.

The QUART didoEASY meters can be used for simple, but very precise dose measurements. Since the meters do not require any pre-setting procedure, measurement results are acquired quickly:

1. Position the detector and switch on the didoEASY meter.
2. Set the X-ray equipment to the desired parameters.
3. Expose and quickly read all relevant data from the meter's display.

The detector of the QUART didoEASY meter series automatically measures the integrated dose-length product (DLP) at dental panoramic element. A feature that provides extra value to our users.

Note: didoEASY has no kV feature. For kV see didoEASY R+



# Specifications

## General

Application Temperature	15 - 35°C (recommended)
Storage Temperature	0 - 50°C (recommended)
Environmental	Humidity 20 - 75% non-condensing Air Pressure 20 g/m <sup>3</sup>
Weight	Base Unit: 180 g including battery Detector: Negligible
Size	Base Unit: 17 x 7 x 4.5 cm (L x W x H) Detector: 6.0 x 1.8 x 0.5 cm (L x W x H)
Units	Gy or R (to be specified on order) Date and time on display

## Operational

Dose Intensity	0.2 µGy - 999 mGy Uncertainty: +/- 5% Application Range: 50 to 150 kV Auto-compensation for Mo/Mo Mammo radiation qualities. Correction factors provided for additional mammo radiation qualities. Attenuated and open radiation beam measurements. Mammo radiation qualities: Mo/Mo, Mo/Rh, Rh/Rh, W/Rh, W/Ag
DLP	0.2 µGy cm - 999 mGy cm Uncertainty: +/- 5% Application Range: 50 to 150 kV Auto-compensation for all radiation qualities. Attenuated and open radiation beam measurements
Exposure Time	0.5 ms - 300 s Mode: Time for full exposure Uncertainty: ± 0.5 ms or 0.1%
Dose Rate	0.25 µGy/s - 999 mGy/s Mode: Average rate per exposure Uncertainty: ± 5%
Pulses	1 - 9999 Uncertainty: ± 1 pulse
Pulse Rate	0.1 Pulses/s - 250 Pulses/s Uncertainty: ± 0.05 pulses/s

## Optional Features

As an optional feature, the **QUART didoEASY R** can be equipped with the ability to measure kVp and effective kV. This feature is included in the **didoEASY R+ meter** version.

If required for kV and direct-HVL, these are featured in the **didoEASY R++ meter** version.

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