

# DIAMENTOR® C-RS



## Single channel DAP meter

### Highlights

- ▶ Highly integrated electronics
- ▶ Available with RS485 or RS232 interface
- ▶ Optional DIAMENTOR BT interface available for wireless data transfer

The DIAMENTOR C-RS is a highly integrated single channel DAP meter. The electronics is available in two versions with RS485 or RS232 interface. Different DAP chambers are available for connection to the DIAMENTOR C-RS, e.g. circular CARD chambers or rectangular chambers.



Combined with the DIAMENTOR BT interface, which allows the DIAMENTOR C-RS to be accessed via Bluetooth, wireless communication between the DIAMENTOR C-RS and a PC is possible.

The miniature DAP meter electronics as well as the DIAMENTOR BT interface can be mounted behind the housing of the X-ray installation.

The wireless DIAMENTOR solution enables convenient and fast installation due to the removal of extension cables.

### Specification

Application	patient dosimetry in diagnostic radiology according to DIN EN / IEC 60580
Measuring units	dose area product (DAP) dose area product rate exposure time
Measuring ranges: Dose area product Resolution	(0.1 ... 10 <sup>6</sup> ) $\mu\text{Gym}^2$ 0.01 $\mu\text{Gym}^2$
Dose area product rate Resolution	(0.1 ... 15 000) $\mu\text{Gym}^2/\text{s}$ 0.01 $\mu\text{Gym}^2/\text{s}$
Exposure time Resolution	1 s ... 60 000 s 0.1 s
Ranges of use: Dose area product rate Tube voltage Temperature Humidity Atmospheric pressure Max. operating altitude	(0.01 ... 15 000) $\mu\text{Gym}^2/\text{s}$ (40 ... 150) kV (10 ... 40) °C, (50 ... 104) °F (10 ... 80) %, max 20 g/m <sup>3</sup> (700 ... 1060) hPa 3000 m above sea level
Chamber voltage	+300 V DC $\pm$ 10 V
Power supply	(12 ... 32) V DC
Outer dimensions: DIAMENTOR C-RS DIAMENTOR BT Interface	(18 x 45 x 100) mm <sup>3</sup> (20 x 45 x 90) mm <sup>3</sup>
Weight: DIAMENTOR C-RS DIAMENTOR BT Interface	approx. 122 g approx. 70 g

### Ordering Information

T11059 DIAMENTOR C-RS, version RS485

T11058 DIAMENTOR C-RS, version RS232

L981528 DIAMENTOR BT Interface

Network cable available

E41750B/S/G Service contract Bronze, Silver or Gold