



VACUTEC

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VACUDAP *BLUETOOTH*® WIRELESS DAP METER

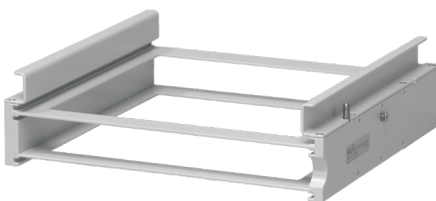
General

The Dose Area Product (DAP) Measuring System VacuDAP is an accessory for radiography and fluoroscopy diagnostic X-ray equipment and is perfectly suitable to monitor the patient dose in radiological applications according to the local regulations. The wireless solution VacuDAP *Bluetooth*® provides advantages especially for portable and mobile X-ray systems.

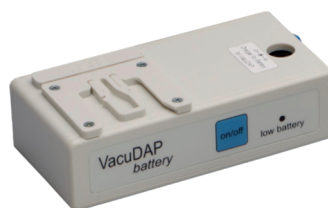


VacuDAP Bluetooth®

- Measurement of Dose Area Product, Dose Area Product rate and irradiation time
 - Wireless data transfer between display unit and measuring chamber
 - Direct data transfer to a X-ray system/PC via *Bluetooth*® technology
 - The omission of cable installation makes it an economic and timesaving solution
 - Voltage supply of DAP chamber by rechargeable Li-Ion battery or plug-in power supply
 - Display unit is powered by a plug-in power supply
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- Serial interface RS232 at display unit for data transfer to a RIS system or for connection to an optional printer
 - Wireless solutions are also provided for VacuDAP-C and VacuDAP-C *duo* using the Adapter *Bluetooth*®



Adapter (for additional filter)



Battery for VacuDAP



Display *Bluetooth*®

General technical specification / Rated range of use:



	VacuDAP Bluetooth®	VacuDAP Bluetooth® with display unit
Chamber dimension [mm]	185 × 140 × 18 REF 156 00 14	
	209 × 164 × 18 REF 158 00 14	
Active area [mm]	123 × 123 REF 156 00 14	
	147 × 147 REF 158 00 14	
Display unit	N.A.	Display Bluetooth® REF 943 00 06 Dimension: 169 × 94 × 37 mm ³
Power for display	N.A.	Plug-in power supply EU,UK,US,AU,WW 950 00 75-xy
Power for chamber	Battery for VacuDAP, Dimension: 102 × 50 × 27 mm ³ REF 950 00 84 Operation time: 24h	
	AC/DC converter 950 00 62	
	Plug-in power supply EU,UK,US,AU,WW 950 00 75-xy in combination with Cable for power supply 950 00 61-xy (6, 10, 15, 20 m)	
Rails and adapter	Guide-pair 147, 150, 152, 170, 176 mm	
	U-guides 132, 140, 150 mm	
	Adapter (for additional filter) 140, 147, 152, 170, 171, 176 mm	
	Universal Adapter 140 ... 190 mm	
Printer	N.A.	Label printer ZD410 REF 950 00 80 Printer cable 943 00 36
Interface	Bluetooth®	RS 232 at display unit (sub-D 9 pin) PC connection with Nullmodem cable 943 00 38-xy (3, 5, 10 m)
Digital resolution – DAP	0.01 µGym ²	
Measuring range – DAP rate	6 ... 2 220 000 µGym ² /min	
Time resolution	1 ms	
Radiation quality	40 ... 150 kV	
Atmospheric pressure	80 ... 106 kPa	
Temperature	+10 ... +40 °C	
Air humidity	10 ... 80 % rel. humidity (max. 20 g/m ³)	
Standards	IEC 60580, IEC 60601-1 as well as prerequisites for IEC 60601-2-43, IEC 60601-2-54	