



## VACUDAP - OEM & VACUDAP 2004 OEM DAP SOLUTIONS FOR FULL INTEGRATION INTO X-RAY SYSTEMS

### 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 rectangular light transparent chambers of the VacuDAP - OEM and VacuDAP 2004 OEM models are suitable for most of the X-ray systems on the market, whereas the measured values are provided via serial interface or pulse interface and can be directly linked to the digital X-ray.



### VacuDAP – OEM

- Ionization chamber and electronics are unified in measuring chamber VacuDAP - OEM
- Data transfer via serial interface RS485
- Transparent ionization chambers available in two sizes
- High time resolution for precise measurements
- Optional converter cable to RS232
- Optional USB converter
- Optional CAN bus converter (ISO 11898)
- Suitable for pediatrics

### VacuDAP 2004 OEM

- Ionization chamber and electronics are unified in measuring chamber VacuDAP 2004 OEM
- Data transfer via pulse interface RS422
- Compatible with several X-ray generators
- Transparent ionization chambers available in two sizes

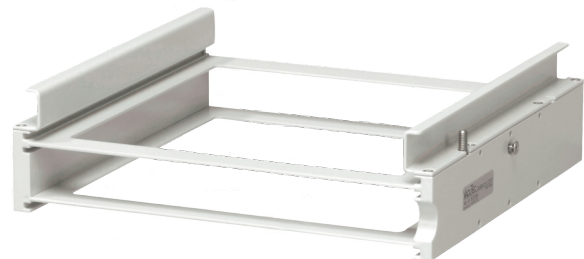




	VacuDAP - OEM	VacuDAP 2004 OEM
Chamber dimensions [mm]	158 × 140 × 18 REF 156 00 15	158 × 140 × 18 REF 156 00 10
	182 × 164 × 18 REF 158 00 15	182 × 164 × 18 REF 157 00 15
Active area [mm]	123 × 123 REF 156 00 15	123 × 123 REF 156 00 10
	147 × 147 REF 158 00 15	147 × 147 REF 157 00 15
Display unit	N.A.	
Cable	Interface cable RS232 952 00 61-xy (3, 5, 6, 15, 20, 25, 30 m)	Cable Triad->Sub-D 953 00 73-xy (6, 15, 20, 25, 30 m)
		Cable Triad->open 953 00 74-xy (10, 15, 20, 25 m)
Power supply	Plug-in power supply EU, UK, US, AU, WW 950 00 75-xy in combination with Interface cable RS232	Supplied by the X-ray system
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.	
Interface	Serial interface RS485 (MEDI-SNAP®)	Pulse interface (Triad/Hirose)
	RS232 with cable 952 00 61	
	CAN bus with CAN-BUS-Converter 952 00 65/66 (sub-D 9 pin/RJ45)	
	USB with USB-Converter 952 00 67	
Digital resolution – DAP	0.01 µGym <sup>2</sup>	0.1 µGym <sup>2</sup>
Measuring range – DAP rate	6 ... 2 200 000 µGym <sup>2</sup> /min	0.6 ... 1 800 000 µGym <sup>2</sup> /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. 20g/m <sup>3</sup> )	
Standards	IEC 60580, IEC 60601-1 as well as prerequisites for IEC 60601-2-43, IEC 60601-2-54	



CAN-BUS-Converter REF 952 00 65/66



Adapter (for additional filter)

