VACUDAP *STANDARD/FLUORO/TWIN* & VACUDAP *COMPACT*
STAND-ALONE DAP METERS

General

The Dose Area Product (DAP) Measuring System VacuDAP is an accessory for radiography and fluor-oscopy diagnostic X-ray equipment and is perfectly suitable to monitor the patient dose in radiologi-cal applications according to the local regulations.

The VacuDAP *standard*, VacuDAP *fluoro* and VacuDAP *twin* are complete measuring systems for one or two measuring chambers with separate display unit. The VacuDAP *compact* is an space-efficient solution with integrated display and control keys.

VacuDAP standard/fluoro/twin

- VacuDAP *standard* is a single-channel measuring system primarily used in radiography X-ray systems.
- VacuDAP *fluoro* is a single-channel measuring system with an additional display line for the dose area product rate to be used in fluoroscopy X-ray systems.

- VacuDAP *twin* is a dual-channel measuring system for simultaneous display of measured dose area product values from two chambers.
- Powered by a plug-in power supply connected to the display unit
- Serial interface RS232 at display unit for data transfer to a RIS system or for connection to an optional label printer

VacuDAP compact

This is a compact dose area product measuring unit designed for uncomplicated retrofitting. It features a measuring chamber, display line and control keys integrated in a single housing.

- A model with reduced dimensions is available as a special type for mobile X-ray units having smaller collimators. The measuring chambers are equipped with a serial interface for the transmission of measuring data to a printer. The display unit standard can be connected to the VacuDAP *compact* optionally.

- Optional rechargeable battery power supply can eliminate the need for cable laying completely.

General technical specification / Rated range of use:

	VacuDAP standard/fluoro/twin	VacuDAP compact
Chamber dimension [mm]	158 × 140 × 18 REF 156 00 15	185 × 140 × 18 REF 156 00 05
	182 × 164 × 18 REF 158 00 15	209 × 164 × 18 REF 158 00 05
Active area [mm]	123 × 123 REF 156 00 15	123 × 123 REF 156 00 05
	147 × 147 REF 158 00 15	147 × 147 REF 158 00 05
Display unit	Display *standard* REF 943 00 01	
	Display *fluoro* REF 943 00 04	integrated
	Display *twin* REF 943 00 02	
Display dimension [mm]	169×94×37	N.A.
Cable	Cable MEDI-SNAP® 943 00 40-xy (6, 15, 20, 25, 30 m)	Cable for power supply 950 00 61-xy (6, 10, 15, 20 m)
Power		Battery for VacuDAP REF 950 00 84 Operation time: 27 h
		AC/DC converter 950 00 62
	Plug-in power supply EU, UK, US, AU, WW 950 00 75-xy	
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	Label printer ZD410 REF 950 00 80	
	Printer cable 943 00 36	Printer Cable VacuDAP *compact* 952 00 60-xy (5, 15, 20 m)
Interface	RS232 at display unit (sub-D 9 pin) PC connection with Nullmodem cable xym REF 943 00 38-xy (3, 5, 10 m)	N.A.
Digital resolution – DAP	0.01 µGym²	
Measuring range – DAP rate	6 ... 2 220 000 µGym²/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/m³)	
Standards	IEC 60580, IEC 60601-1 as well as prerequisites for IEC 60601-2-43, IEC 60601-2-54	

Label printer ZD410

Adapter (for additional filter) with VacuDAP *compact* powered by Battery for VacuDAP

AC/DC converter - optional power supply for VacuDAP *compact*

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Management System
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ISO 9001:2015
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