

Dimensions

	outer dimension [mm]	active area [mm]	transparent	P/N
rectangular VacuDAP/ VacuDAP duo	158 x 140 x 18	123 x 123	yes	156/456 00 15
	185 x 140 x 18	123 x 123	yes	156 00 05/14/16
	182 x 164 x 18	147 x 147	yes	158/458 00 15
	209 x 164 x 18	147 x 147	yes	1158 00 05/14/16
rcircular chambers VacuDAP - C	Ø 60	Ø 44	no	159 00 xy
	Ø 90	Ø 68	yes	159 00 01
	Ø 100	Ø 72	no	159 00 xy
	Ø 157	Ø 100	yes	159 00 13
rectangular chambers VacuDAP - C	100 x 105 x 18	86 x 86	yes	160 00 03
	158 x 140 x 18	123 x 123	yes	160 00 16
	182 x 164 x 18	147 x 147	yes	160 00 18
	290 x 31 x 20	242 x 8	no	160 00 01
display units	169 x 94 x 37			943 00 xy
electronics for VacuDAP - C	80 x 50 x 17			922 00 xy

Rated range of use

		VacuDAP	VacuDAP duo
DAP	Digital resolution	0.01 µGy · m2	
	Measuring range	0.1 ... 99 999 999 µGy · m2	
DAP rate	Digital resolution	0.6 µGy · m2/min	
	Measuring range	6 ... 2 200 000 µGy · m2/min	
Dose	Digital resolution ★		0.003 mGy
	Measuring range ★		(0.03 ... 99 999 999) mGy
Dose rate	Digital resolution ★		0.2 mGy/min
	Measuring range ★		(2 ... 12 000) mGy/min

★ Distance focus-chamber: 28 cm; Distance focus-reference point: 100 cm, minimal field width 1.4 cm

Accessories

• Battery Pack	• Converter AC/DC	• Printer
• Adapter for additional filter	• Converter RS 485/232	• Fixing-Rails
	• Converter CAN	• Power supply

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Improving Quality of Life

- X-Ray Grid
- Radiography System
- Software

- Computed Radiography

- Processor

- X-Ray Accessories

- RF Treatment

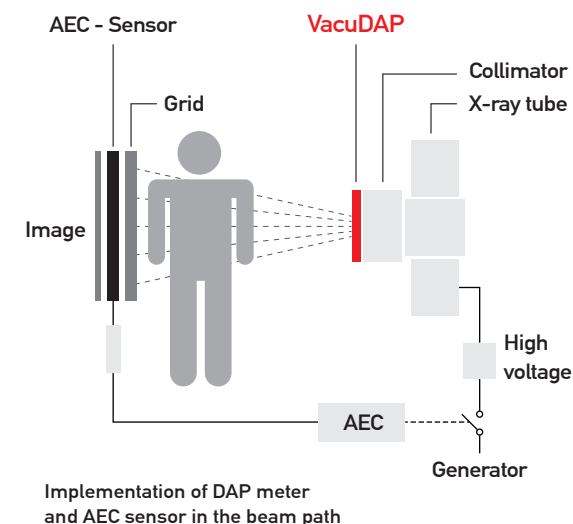
- Diagnostics



VacuDAP

Dose Area Product Measuring System

- VacuDAP systems
 - > patient safety by Dose Area Product monitoring
- VacuDAP duo systems
 - > patient safety by Dose Area Product and Air kerma monitoring












Implementation of DAP meter and AEC sensor in the beam path









General technical specifications

- IEC 60580, IEC 60601-2-54, IEC 60601-2-43, CFR 1020.32 compliance
- Radiation quality (40 ... 150 kV)
- Atmospheric pressure (80 ... 106) kPa
- Temperature (+10 ... +40) °C
- Air humidity (10 ... 80)% rel. humidity (max. 20 g/m3)

Overview Configurations

VacuDAP standard	VacuDAP fluoro	VacuDAP twin	VacuDAP Bluetooth®	VacuDAP compact
				
one line display	two line display (DAP/DAP rate)	two DAP chamber system	Bluetooth communication between chamber and display	display integrated
display provides RS232 interface to connect PC or printer				interface to printer or secondary display
complete system powered through display unit by power supply (110 ... 240) VAC			★ chamber power options	display powered by power supply
measurement of DAP, DAP rate, irradiation time				
P/N 158(6) 00 15 + P/N 943 00 01 + P/N 943 00 40 + P/N 950 00 57(8, 9)	P/N 158(6) 00 15 + P/N 943 00 04 + P/N 943 00 40 + P/N 950 00 57(8, 9)	P/N 158(6) 00 15 + P/N 943 00 02 + P/N 943 00 40 + P/N 950 00 57(8, 9)	P/N 158(6) 00 14 + P/N 943 00 06 + ★ chamber power options + P/N 950 00 57(8, 9)	P/N 158(6) 00 05 + ★ chamber power options
VacuDAP - OEM	VacuDAP - OEM wireless	VacuDAP Bluetooth® OEM	VacuDAP 2004 OEM	
				
controlled by host computer				
RS485 interface, optional with RS485/232 or CAN converter	WiFi interface	Bluetooth interface	pulse interface RS422	
(10 ... 30) VDC	★ chamber power options		(10 ... 24) VDC	
measurement of DAP, DAP rate, irradiation time			measurement of DAP, DAP rate	
P/N 158(6) 00 15	P/N 158(6) 00 15	P/N 158(6) 00 14	P/N 157 00 15/95 (156 00 10/95)	

★ chamber power options: - (10 ... 30 V) - by battery pack
- from collimator (e.g. through Converter AC/DC) - by power supply

VacuDAP duo	VacuDAP Bluetooth® duo	VacuDAP - OEM duo	VacuDAP Bluetooth® OEM duo		
					
display provides RS232 interface to connect PC or printer		RS485 interface, optional with RS485/232 or CAN converter	Bluetooth interface		
complete system powered through display unit by power supply (110 ... 240) VAC	★ chamber power options, display powered by power supply	(10 ... 30) VDC	★ chamber power options		
measurement of DAP, DAP rate, irradiation time					
P/N 458(6) 00 15 + P/N 943 00 03 + P/N 943 00 40 + P/N 950 00 57(8, 9)	P/N 458(6) 00 14 + ★ chamber power options + P/N 943 00 07 + P/N 943 00 40 + P/N 950 00 57(8, 9)	P/N 458(6) 00 15	P/N 458(6) 00 14		
VacuDAP - C with display	VacuDAP - C	VacuDAP - C rectangular transparent	VacuDAP - C rectangular non transparent	VacuDAP - C duo with display	VacuDAP - C duo
					
display provides RS232 interface to connect PC or printer	RS232 or RS485 interface, optional with CAN converter			display provides RS232 interface to connect PC or printer	RS232 or RS485 interface, optional with CAN converter
all VacuDAP-C configurations can be operated with optional Bluetooth adapter					
complete system powered through display unit by power supply (110 ... 240) VAC	(10 ... 30) VDC			complete system powered through display unit by power supply (110 ... 240) VAC	(10 ... 30) VDC
circular chamber diameter/active area (in mm): 60/44, 100/72 non transparent; 90/68, 157/100 transparent	active area (in mm): 86 x 86, 123 x 123, 147 x 147	length: 290 mm	circular chamber diameter/active area (in mm): 100/72 non transparent		
measurement of DAP, DAP rate, irradiation time				measurement of DAP, DAP rate, Dose, Dose rate, irradiation time	
159 00 xx + 922 00 xx + 943 00 04 + 943 00 40 + 950 00 57(8, 9)	159 00 xx + 922 00 xx	160 00 xx + 922 00 xx		161 00 xx + 922 00 xx + 943 00 04 + 943 00 40 + 950 00 57(8, 9)	161 00 xx + 922 00 xx