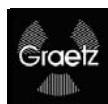









GRAETZ Dose- / Dose Rate Measuring Instruments (hand-held, for your personal radiation protection)									
Type	Energy Range	Measuring Range	Detector	Kind of Radiation	Approval	Dimensions / Weight	Part No.	Remarks	
ED150	55 keV - 3 MeV	PTB-approved 10 µSv – 1 Sv H <sub>p</sub> (10)	GM-tube G1314	γ, X-rays	PTB:23.52 / 04.01 Fire Brigades: DW/FW/IdF 040411	(136 x 40 x 17) mm 150 g	# 10 466	Dose measuring range: 0.1µSv - 10 Sv Dose rate measuring range: 0.1µSv/h – 1.5 Sv/h 4 dose and 4 dose rate alarm thresholds	
GPD150G	55 keV – 3 MeV	10 µSv – 10 Sv H <sub>p</sub> (10)	GM tube 7149	γ, X-rays		(59x71x25/17) mm 110 g	# 10 465	Dose indication range: 0.05 µSv – 10 Sv 4 preset dosealarm thresholds 1 dose rate alarm threshold at 25 µSv/h	
GRAETZ Dose Rate- / Dose Measuring Instruments (hand-held, for your personal radiation protection)									
GammaTwin	45 keV – 1.3 MeV	0.5µSv/h - 70 mSv/h H*(10)	GM-tube 70019A	γ, X-rays	PTB: 23.51 / 10.02	(26 x 66 x 103) mm 190 g	# 10 488	Dose indication range: 0 nSv – 1.0 Sv Dose rate indication range: 0 nSv/h – 70 mSv/h 4 dose and 4 dose rate alarm thresholds, indication of dose or dose rate or both values simultaneously („Twin“ indication) can be selected	
GammaTwin S for the connection of pulse probes	45 keV – 1.3 MeV	0.5µSv/h - 50 mSv/h H*(10)	GM-tube 70030A	γ, X-rays		(26 x 66 x 103) mm 190 g	# 10 518		
X5C plus	40 keV – 1.3 MeV	PTB-approved 1 µSv/h - 20 mSv/h H*(10)	GM-tube 70030A	γ, X-rays	PTB: 23.51/04.01 Fire Brigades: DL/FW/IdF 080221/1	(152 x 82 x 39) mm 400 g	# 10 585	Dose rate measuring range: 0 nSv/h - 20 mSv/h	
X5CEX for the use in potentially explosive atmospheres	40 keV – 1.3 MeV	PTB-approved 1 µSv/h - 20 mSv/h H*(10)	GM-tube 70030A	γ, X-rays	PTB: 23.51/05.02 ATEX: BVS PP 04.2028 EG  II 2G EEx ib II BT6 IM2 EEx ib I	(152 x 82 x 39) mm 475 g	# 10 475EX	Dose measuring range: 0 nSv - 10 Sv 4 dose and 4 dose rate alarm thresholds	
GRAETZ Probes Programme									
18509 CE	55 keV – 1.3 MeV	PTB-approved 50 µSv/h - 1 Sv/h H*(10)	GM-tube ZP 1314	γ, X-rays	PTB: 23.71/05.01	length 110 mm, Ø 40 mm, 150 g	# 10 444		
18529 CE	70 keV - 3 MeV	PTB-approved 0.5 mSv/h - 10 Sv/h H*(10)	GM-tube ZP 1304	γ, X-rays	PTB: 23.71/05.02	length 110 mm, Ø 40 mm, 150 g	# 10 442		
18550 CE	40 keV – 1.3 MeV	PTB-approved 10 µSv/h - 20 mSv/h H*(10)	GM-tube ZP 1202	γ, X-rays	PTB: 23.71/05.04	length 110 mm, Ø 40 mm, 150 g	# 10 441		
18545 CE	40 keV – 1.3 MeV	PTB-approved 150 nSv/h - 200 µSv/h H*(10)	GM-tube 70031A	γ, X-rays	PTB: 23.71/05.03	length 345 mm, Ø 25/40 mm, 380 g	# 10 561		
18526 D		background ~ 25 cpm	GM-tube LND 72314	α, β, γ		length 110 mm, Ø 40 mm, 150 g	# 10 588		
Scintillation Probe 2002	γ and X-rays: 25 keV - 2 MeV β: > 100 keV	background ~ 6000 cpm	Nal(Tl)- Scintillator	β, γ, X-rays		(80 x 85 x 35) mm with 200 mm handle (Ø 33 mm), 530 g	# 10 556-0		



Supplement to the GRAETZ Probe Programme								
Type				Dimensions / weight	Part No.			
<b>CE-Telescope / Telescope Probe DE</b>	For measurements at "hard-to-get-to" places and measurements of high dose rates from a safe distance. According to the required measuring range changeable probe heads of the GRAETZ probe programme. The Telescope Probe DE has an integrated probe head (measuring range 1,5 µSv/h - 10 Sv/h). Telescope made of stainless steel. Simple and safe adaption with the PTB-approved X5C <i>plus</i> without plug or cable, simply via a row of contacts by "snap-in-technique".			920 mm not extended 4000 mm extended 2.8 kg	CE-Telescope #10 418 Telescope Probe DE #10593			
Stationary GRAETZ Room Monitoring Systems								
Type				Dimensions / Weight	Part No.			
<b>WS05C-1</b> for the operation with 1 probe	for the simultaneous operation of max. 3 different or similar probes - any of the GRAETZ probe programme according to the required measuring range.			(260 x 230 x 150) mm 2.8 kg	#10 582			
<b>WS05C-2</b> for the operation with 2 probes								
<b>WS05C-3</b> for the operation with 3 probes								
GRAETZ Dose Rate Alarm Units (for your personal radiation protection)								
Type	Energy Range	Sensitivity / Alarm Thresholds	Detector	Kind of Radiation	Approval	Dimensions / Weight	Part No.	
<b>GammaSmart one</b> also for use in potentially explosive atmospheres	60 keV – 1.3 MeV	at 3 µSv/h approx. 1 cpm <b>Version V40</b> at 40 µSv/h	GM-tube	γ, X-rays	BVS 14 ATEX E 014  II 2G Ex ib IIB T4 Gb	(72 x 60 x 22) mm 100g	#10 496EX  # 10 496	
<b>GammaSmart two</b>								
<b>GammaTest C</b>	40 keV – 1.3 MeV	25 µSv/h 40 µSv/h 1 mSv/h 10 mSv/h H*(10)	GM-tube ZP 1324	γ, X-rays		(106 x 67 x 23) mm 190 g	#10 449	
<b>GWL10m</b>	40 keV – 1.3 MeV	7.5 µSv/h, 25 µSv/h, 1 mSv/h, 10 mSv/h  H*(10)	GM-tube 70030A	γ, X-rays		(120 x 120 x 250) mm 2.3 kg	#10 409	
Contamination Measuring Instrument								
Type	Detector	Background	Kind of Radiation	Dimensions / Weight	Part No.			
<b>CoMo 170</b>	Plastic scintillation detector, 170 cm <sup>2</sup>	α: approx. 0.1 cps  β, γ: approx. 20 cps	α, β, γ	(280 x 175 x 135) mm 750g	#10 417-0			
<b>ABG170</b>	Plastic scintillation detector, 170 cm <sup>2</sup>	α: approx. 0.1 cps  β, γ: approx. 20 cps	α, β, γ	approx. (390x125x75) mm (with handle) approx. 790 g	#10 460-0	