













**GRAETZ Dose-/Dose Rate Measuring Instruments (hand-held, for your personal radiation protection)**

Type	Energy Range	Measuring Range	Detector	Radiation	Approval	Dimensions Weight	Part No.	Remarks	
<b>ED150</b>	55 keV - 3 MeV	10 µSv - 1 Sv H <sub>p</sub> (10)	GM tube ZP1310	γ, X-rays	PTB: 23.52/04.01 fire brigades: DW/FW/IdF 040411	136 x 40 x 17 mm 150 g	56410466 56410542 (special version for Export and fire brigades)	Dose measuring range: 0.1 µSv - 10 Sv Dose rate measuring range: 0.1 µSv/h - 1.5 Sv/h 4 dose and 4 dose rate alarm thresholds	
<b>GPD150G</b> <b>GPD150GF</b>	55 keV - 3 MeV	10 µSv - 10 Sv H <sub>p</sub> (10)	GM tube	γ, X-rays		59 x 71 x 25/17 mm 110 g	56410465 56410632 (special version for fire brigades)	Dose indication range: 0.05 µSv - 10 Sv preset dose alarm thresholds: 200, 500, 1000, 2000 µSv; 25 µSv/h Warning thresholds customizable	

**GRAETZ Dose Rate-/Dose Measuring Instruments (hand-held, for your personal radiation protection)**

<b>GammaTwin</b>	45 keV - 1.3 MeV	0.5 µSv/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	56410488	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, selection of dose or dose rate indication or both values simultaneously („Twin“ indication)	
<b>GammaTwin S</b> for the connection of pulse probes	45 keV - 1.3 MeV	0.5 µSv/h - 50 mSv/h H*(10)	GM tube 70030A	γ, X-rays		26 x 66 x 103 mm 190 g	56410518		
<b>X5C plus</b>	40 keV - 1.3 MeV	1 µSv/h - 20 mSv/h H*(10)	GM tube 70003A	γ, X-rays	PTB: 23.51/04.01 fire brigades: DL/FW/IdF 080221/1	152 x 82 x 39 mm 400 g	56410565	Dose rate measuring range: 0 nSv/h - 20 mSv/h Dose measuring range: 0 nSv - 10 Sv 4 dose and 4 dose rate alarm thresholds	
 <b>X5CEx</b> for the use in potentially explosive atmospheres	40 keV - 1.3 MeV	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 Marking: II 2G EEx ib II BT6 I M2 EEx ib I	152 x 82 x 39 mm 475 g	56410475EX		

**GRAETZ Probes Programme**

<b>18509 CE</b>	55 keV - 1.3 MeV	50 µSv/h - 1 Sv/h H*(10)	GM tube ZP1314	γ, X-rays	PTB: 23.71/05.01	length 110 mm, Ø 40 mm, 150 g	56410444	
<b>18529 CE</b>	70 keV - 3 MeV	0.5 mSv/h - 10 Sv/h H*(10)	GM tube ZP1304	γ, X-rays	PTB: 23.71/05.02	length 110 mm, Ø 40 mm, 150 g	56410442	
<b>18550 CE</b>	40 keV - 1.3 MeV	10 µSv/h - 20 mSv/h H*(10)	GM tube ZP1202	γ, X-rays	PTB: 23.71/05.04	length 110 mm, Ø 40 mm, 150 g	56410441	
<b>18545 CE</b>	40 keV - 1.3 MeV	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	56410561	
<b>18526 D</b>		background ~ 25 lpm	GM tube 72314	α, β, γ		length 110 mm, Ø 40 mm, 150 g	56410588	
<b>18559 C</b>	LD: 50 keV - 1,3 MeV HD: 65 keV - 3 MeV	1 µSv/h - 10 Sv/h	GM-tubes ZP1314 & ZP1405	γ, Röntgen		length 190 mm, Ø 40 mm, 200 g	56410423	
<b>Scintillation Probe 2002</b>	γ and X-rays: 25 keV - 2 MeV β: > 100 keV	background ~ 6000 lpm	Nal(Tl)-Scintillator	β, γ, X-rays		80 x 85 x 35 mm with 200 mm handle (Ø 33 mm), 530 g	56410556-0	




**GRAETZ Strahlungsmeßtechnik GmbH**  
Westiger Straße 172 • 58762 Altena • GERMANY  
Postfach 81 00 • 58754 Altena • GERMANY  
Phone: +49 2352 7007-0 • Fax: +49 2352 7007-10  
E-Mail: info@graetz.com • Website: www.graetz.com

**August 2019**


**R. B. M. Ltd.**  
CONTROL & MECHANIZATION

www.rbmltd.co.il 09-7674431:ru  
rbmltd@rbmltd.co.il 030 799



### Supplement to the GRAETZ Probe Programme

Type		Dimensions/Weight	Part No.	
CE-Telescope Telescope Probe DE	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 by "snap-in-technique".	920 mm not extended	56410418	
		4,000 mm extended 3,000 g	56410593	
Telescope adapter	Simple, light telescope made of aluminium including a holder for a probe. Available either for the adaption of an X5C <i>plus</i> or a GammaTwin S.	1,300 mm not extended 3,700 mm extended	56410463-0 56410498-0	


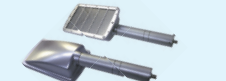
### Stationary GRAETZ Room Monitoring Systems

Type		Dimensions/Weight	Part No.	
WS05C-1 for the operation with 1 probe WS05C-2 for the operation with 2 probes WS05C-3 for the operation with 3 probes	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 2,800 g	56410582 56410566 56410577	

### GRAETZ Dose Rate Alarm Units (for your personal radiation protection)

Type	Energy Range	Sensitivity/ Alarm Thresholds	Detector	Radiation	Approval	Dimensions/Weight	Part No.	
 <b>GammaSmart one</b> for the use in potentially explosive atmospheres	60 keV - 1.3 MeV	at 3 µSv/h approx. 1 cpm Version V40 at 40 µSv/h	GM tube 716	γ, X-rays	BVS 14 ATEX E 014 Marking: II 2G Ex ib IIB T4 Gb	72 x 60 x 22 mm 100 g	56410496EX	
<b>GammaSmart two</b>							56410496	
<b>GammaTest C</b> <b>GammaTest F</b> (alarm threshold at 25 µSv/h, special version for fire brigades)	40 keV - 1.3 MeV	Alarm thresholds GammaTest C: 25 µSv/h, 40 µSv/h, 1 mSv/h, 10 mSv/h  H*(10)	GM tube ZP1202	γ, X-rays		106 x 67 x 23 mm 190 g	56410449	
<b>GWL10m</b> <b>GWL10m</b> (with motion sensor)							56410626	
	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 2.300 g	56410409	
							56410436	

### Contamination Measuring Instrument

Type	Background	Detector	Radiation	Dimensions/Weight	Part No.	
<b>CoMo-170</b> <b>CoMo-170 F</b> <b>CoMo-170 ZS</b> <b>CoMo-170 D</b>	α: approx. 0.1 cps β, γ: approx. 20 cps	Plastic scintillation detector, 170 cm <sup>2</sup> (special version for fire brigades) (special version for fire brigades and civil protection) with additional GM-Tube	α, β, γ	280 x 175 x 135 mm 750 g	56410417-0 56410487-0 56410627-0 56410696-0	
<b>ABG170</b>	α: approx. 0.1 cps β, γ: approx. 20 cps	Plastic scintillation detector, 170 cm <sup>2</sup>	α, β, γ	approx. 390x125x75 mm (with handle) approx. 790 g	56410460-0	



**GRAETZ Strahlungsmeßtechnik GmbH**  
Westiger Straße 172 • 58762 Altena • GERMANY  
Postfach 81 00 • 58754 Altena • GERMANY  
Phone: +49 2352 7007-0 • Fax: +49 2352 7007-10  
E-Mail: info@graetz.com • Website: www.graetz.com

August 2019

