



## Beta, Gamma Detectors (ZP Series)

Detection of beta and gamma radiation at low, intermediate and high dose rates. These types have a wide range of applications e.g. personal dosimetry, military and defense equipments.

Type	Sensitivity			Plateau		Counting Rate At 10 <sup>-2</sup> mGy/h (count/s) ♦	Dead Time (μs) max.	Back- Ground Shielded (count/min.) max.	Dose Rate Range (mGy/h) Typical
	Band Length α β γ (mm)	Threshold (V) max.	Length (V)	Slope (% /V) max.					
ZP1300	• • 7	500	100	0.30	300♦	11	1	10 <sup>-1</sup> – 10 <sup>4</sup>	
ZP1310	• • 16	500	150	0.15	1600♦	15	2	2 × 10 <sup>-2</sup> – 4 × 10 <sup>3</sup>	
ZP1320	• • 28	500	150	0.08	9	45	12	3 × 10 <sup>-3</sup> – 2 × 10 <sup>2</sup>	
ZP1352	• • 120	400-600	200	0.1	85	200	35	3 × 10 <sup>-4</sup> – 10	
ZP1400	• • 9c	400	200	0.04	25	90	10	10 <sup>-3</sup> – 10 <sup>2</sup>	
ZP1431	• • 27.8a	450	250	0.04	44	230	25	6 × 10 <sup>-4</sup> – 6	
ZP1442	• • 19.8c	500	200	0.09	16	65	9	10 <sup>-3</sup> – 10 <sup>2</sup>	
ZP1452	• • 17.8c	500	250	0.07	29	60	25	10 <sup>-3</sup> – 20	
ZP1480	• • 17d	400	100	0.20	24	120	30	10 <sup>-3</sup> – 20	
ZP1481	• • 17d	400	100	0.20	24	120	30	10 <sup>-3</sup> – 20	

### Notes

♦ = Counting rate at 10 mGy /h

♦ = <sup>137</sup>Cs

*Due to our policy of continued development, specifications are subject to change without notice.*