



Gamma Detectors (ZP Series)

Detection of gamma radiation at low dose rates. These tubes are suitable for use in environmental monitoring, and for sweeping areas which may have traces of radioactive sources on them.

Type	Sensitivity		Plateau		Counting Rate At 10^{-2} mGy/h (count/s) †	Dead Time (μ s) max.	Back- Ground Shielded (count/min.) max.	Dose Rate Range (mGy/h) typical
	Band α β γ (mm)	Length (V) max.	Threshold (V) max.	Length (V)				
ZP1200	• 40	400	200	0.04	28	90	10	$10^{-3} - 10^2$
ZP1206	• 14.5	450	100	0.1	11	70	9	$1.5 \times 10^{-3} - 2 \times 10^2$
ZP1210	• 140	400	100	0.15	110	200	70	$3 \times 10^{-4} - 10$
ZP1220	• 240	400	100	0.15	180	210	90	$2 \times 10^{-4} - 3$
ZP1220/EC *	• 240	400	100	0.15	180	210	90	$2 \times 10^{-4} - 3$
ZP1220/01	• 240	400	100	0.15	180	210	60	$2 \times 10^{-4} - 3$
With compensating filter								
ZP1221/01	• 240	400	100	0.15	180	210	60	$2 \times 10^{-4} - 3$
ZP1201	• 40	400	200	0.04	20	110	10	$10^{-3} - 40$
ZP1221	• 240	400	100	0.15	180	210	90	$2 \times 10^{-4} - 3$
ZP1301	• 7	500	100	0.30	340 \diamond	13	1	$10^{-1} - 1 \times 10^4$
ZP1302	• 7	500	100	0.30	340 \diamond	13	12 - 120	$10^{-1} - 1 \times 10^4$
ZP1313	• 16	500	150	0.15	1600 \diamond	15	2	$10^{-2} - 1 \times 10^3$
ZP1321	• 28	500	150	0.08	9	55	12	$3 \times 10^{-3} - 10^2$
Ambient dose compensated								
ZP1202	• 40	400	200	0.04	20	110	10	$10^{-3} - 40$
ZP1211/02	• 140	400	100	0.15	110	200	60	$3 \times 10^{-4} - 10$
ZP1221/02	• 240	400	100	0.15	180	210	60	$23 \times 10^{-4} - 3$
ZP1304	• 7	500	100	0.30	340 \diamond	13	1	$10^{-1} - 1 \times 10^4$
ZP1314	• 16	500	150	1.15	1600 \diamond	15	2	$10^{-2} - 1 \times 10^3$
ZP1324	• 27	500	150	0.08	9	55	12	$3 \times 10^{-3} - 10^2$

Notes :

* = End connector

\diamond = Counting rate at 10 mGy /h

\dagger = ^{137}Cs

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