



Alpha Beta, Gamma Detectors with End window (ZP Series)

Detection of alpha, beta and gamma radiation at low dose rates. This range of micawindow tubes is used for monitoring all types of radiation in a wide variety of environments.

Type	Sensitivity			Plateau			Counting Rate At	Dead Time	Back- Ground Shielded	Dose Rate Range	
	Band			Threshold	Length	Slope	10^{-2} mGy/h	(μ 2)	(count/min.)	(mGy/h)	
	α	β	γ	(V) max.	(V)	(% /V) max.	(count/s) \diamond	max	max.	typ.	
ZP1401	•	•	•	9a	400	200	0.04	25	90	10	$10^{-3} - 10^2$
ZP1405	•	•	•	40	400	100	0.04	20	110	10	$10^{-3} - 10^2$
ZP1430	•	•	•	27.8a	450	200	0.04	44	230	25	$6 \times 10^{-4} - 6$
ZP1441	•	•	•	19.8a	500	200	0.09	16	65	9	$3 \times 10^{-3} - 10^2$
ZP1451	•	•	•	27.8a	500	250	0.07	29	60	14	$10^{-3} - 20$
ZP1490	•	•	•	28a	450	250	0.06	29	65	15	$10^{-3} - 20$
With compensating filter											
ZP1402	•	•	•	9a	400	200	0.04	20	110	10	$10^{-3} - 10^2$

Notes

\diamond = Counting rate at 10 mGy /h

\blacklozenge = ^{137}Cs

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