

C Series - Beta, Gamma Detectors

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

Type	Sensitivity			Plateau			Counting Rate At 10 ⁻² mGy/h (count/s)▲	Dead Time (μS) max.	Back-Ground Shielded (count/min.) max.	Dose Rate Range (mGy/h) typ.	
	Band			Threshold (V) max.	Length (V)	Slope (% / V) max.					
	α	β	γ				(mm)				
C Series											
C300		•	•	9	500	150	0.2	170 Δ	7	1	10 ⁻¹ – 10 ⁵
C1300		•	•	7	500	100	0.3	360 Δ	11	1	10 ⁻¹ – 2 x 10 ⁴
C301 *			•	9	500	150	0.2	140 Δ	7	1	10 ⁻¹ – 10 ⁵

Glass Tubes

Detection of Gamma, Beta radiation with a range of thin wall Glass Detectors including detectors for measuring contaminated liquids.

Type	Sensitivity			Operating Voltage V	Min. Plateau Length V	Max. Slope % / V	Active Length mm	Life Expectation Counts	Sensitivity cpm/mR/hr	Shielded Background cpm	Liquid Capacity ml	Temp. Range °C	Temp. Coeff. V / °C	Wall / Window Density mg/cm ²
	Band													
	α	β	γ											
B6H		•	•	370	100	0.15	64	10 ¹⁰	2000	15	-	-55 to +60	0.2	25 to 35
B12H		•	•	370	100	0.15	123	10 ¹⁰	5600	30	-	-55 to +60	0.2	25 to 35
B12H/FL		•	•	650	100	0.1	120	10 ¹⁰	5600	30	-	-40 to +60	0.2	25 to 35
B6TS *			•	675	100	0.10	60	10 ¹⁰	2700	-	-	-60 to +70	0.1	-
Liquid Sampling														
M6H/100				500	200	0.15	60	10 ¹⁰	2880	100	100	-10 to +50	0.2	25 to 35
M2H □				370	100	0.15	20	10 ¹⁰	-	7	3.5	-55 to +60	0.2	25 to 35

Notes:

* = With compensating filter	Window Thickness (mg/cm ²)	
** = Ambient dose compensated	a = 1.5 to 2.0	d = 2.5 to 3.0
Δ = Counting rate at 10 mGy/h	b = 1.5 to 2.5	e = 2.5 to 3.5
▲ = ¹³⁷ Cs	c = 2.0 to 3.0	f = 2.0 to 2.5
□ = Supplied with waterproof rubber jacket		
EC = End Connector		

Please note, due to our policy of continued development, specifications are subject to change without notice.

CENTRONIC LTD - GEIGER MÜLLER TUBES

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