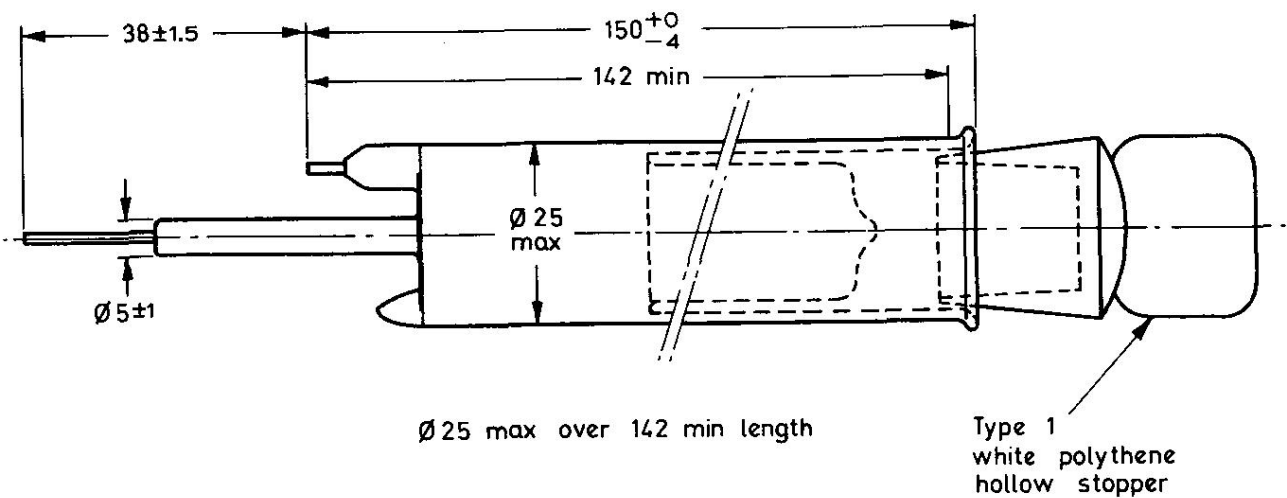


QUICK REFERENCE DATA		
Halogen quenched liquid sample Geiger Müller tube		
Recommended working voltage	450	V
Sample volume	9 to 10	ml

OUTLINE DRAWING



All dimensions in mm D542

CATHODE

Spiral diameter (mean)	12.5	mm
Sensitive length	60	mm
Material	Chrome iron	

FILLING

Neon, argon and halogen

CAPACITANCE

Anode to cathode	2.5	pF
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ELECTRICAL CONNECTIONS

Cathode	Offset wire
Anode	Central wire
For use with mercury pools	



OPERATING CHARACTERISTICS ($T_{\text{amb}} = 20^{\circ}\text{C}$)

measured in circuit of Fig.1

Max. starting voltage (input sensitivity 0.25V)	350	V
Max. threshold voltage	400	V
Min. plateau length	100	V
Max. plateau slope	0.15	%/V
Recommended working voltage	450	V
Max. background at 450V shielded with 50mm lead and 3mm aluminium	50	counts/min
Dead time at 450V	100	μs

RATINGS (ABSOLUTE MAXIMUM SYSTEM)

Min. anode resistor	2.7	$\text{M}\Omega$
Max. anode voltage	500	V
Max. ambient temperature	+75	$^{\circ}\text{C}$
Min. ambient temperature	-55	$^{\circ}\text{C}$

LIQUID CAPACITY

To top of inner tube	9 to 10	ml
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TEST INPUT CIRCUIT

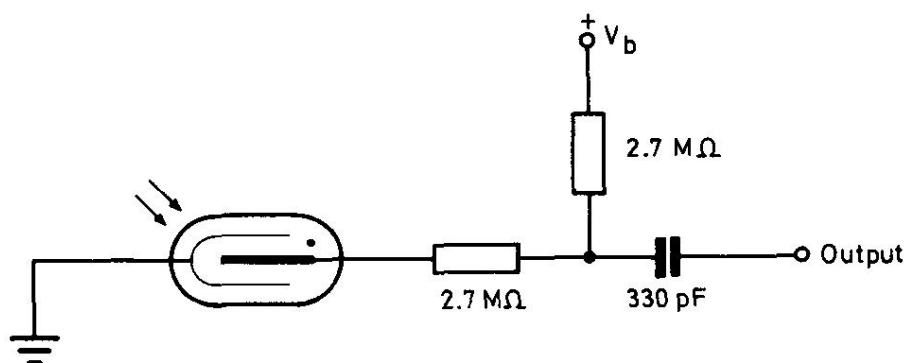
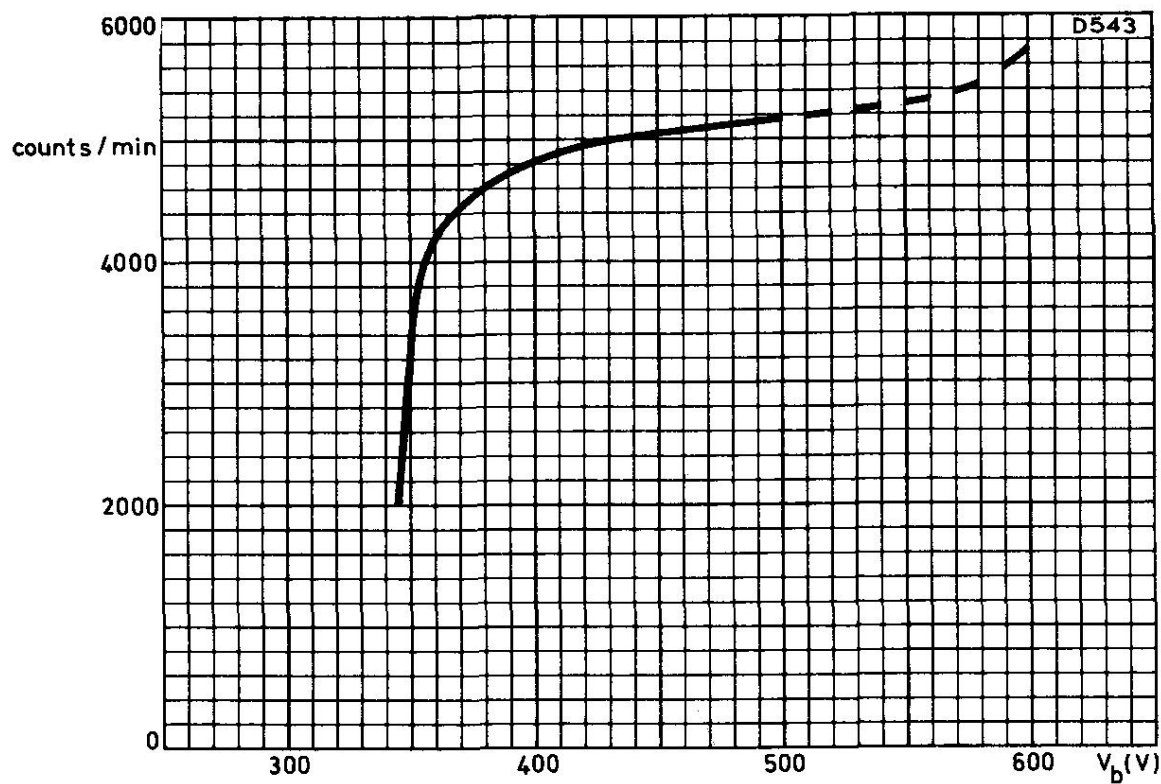
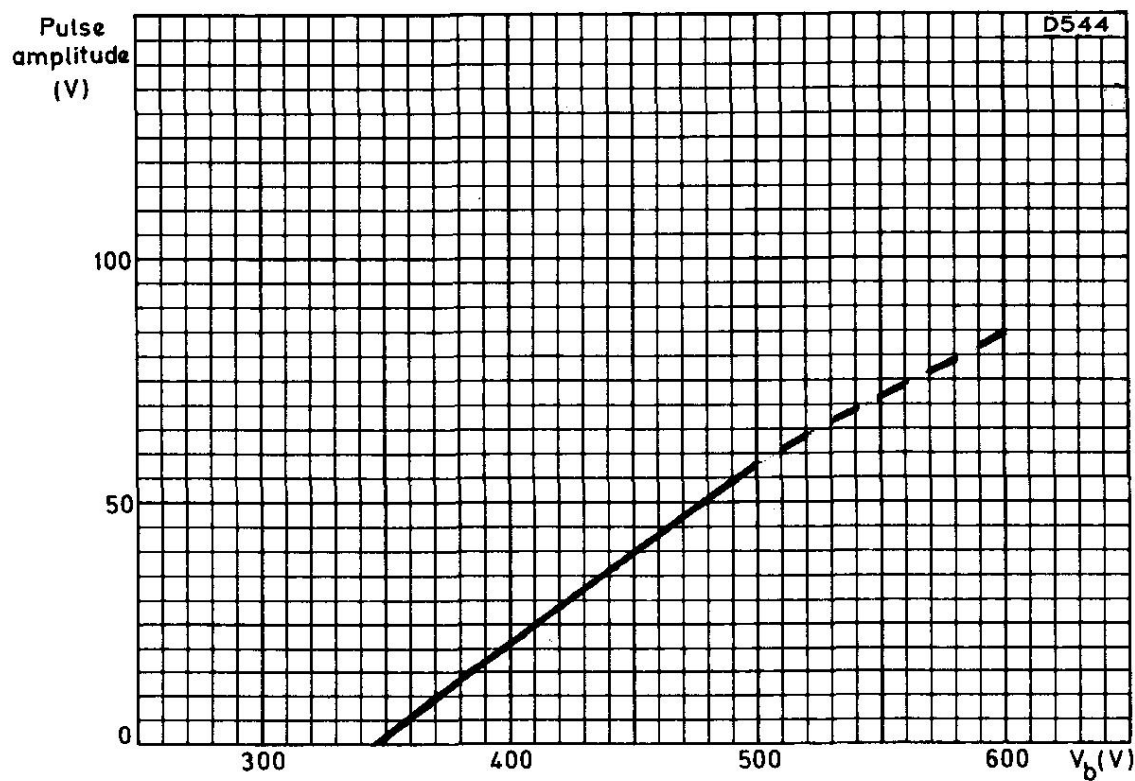


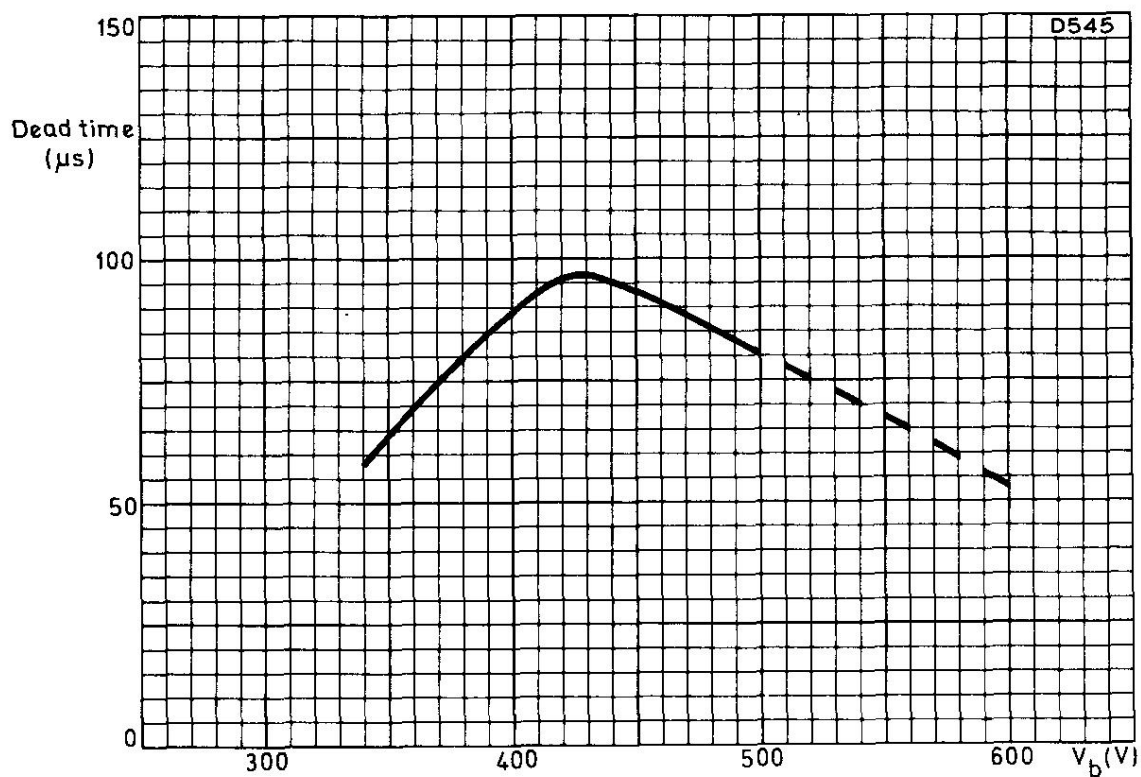
Fig. 1



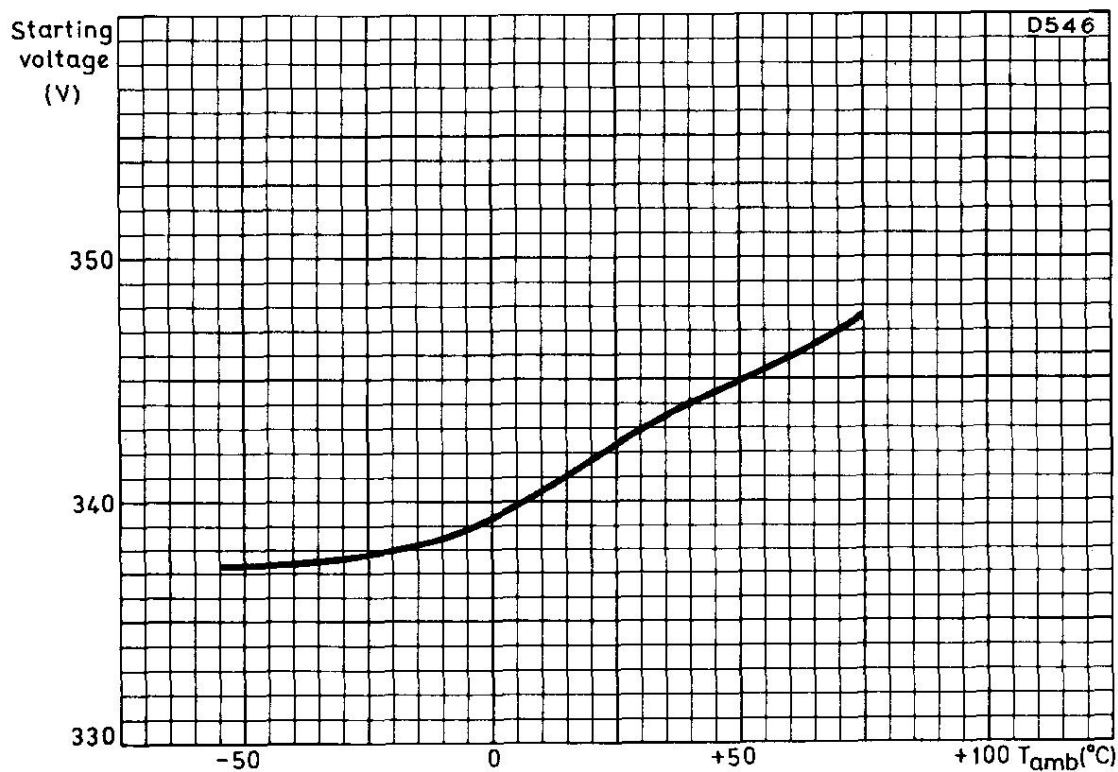
PLATEAU CURVE



PULSE AMPLITUDE PLOTTED AGAINST WORKING VOLTAGE



DEAD TIME PLOTTED AGAINST WORKING VOLTAGE



TEMPERATURE DEPENDENCE OF STARTING VOLTAGE