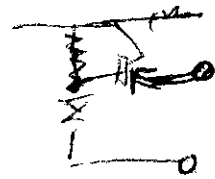


~~Table~~ Bq-THAT Voltages

10.0	= 21
9.75	= 21.1
9.5	= 21.2
9.25	= 21.2
9.00	= 21.5
8.75	= 21.7
8.6	= 21.8
8.5	= 21.9
8.4	= 21.9
8.3	= 21.9
8.2	= 22.0
8.1	= 22.0
8.0	= 22.1
7.9	22.2
7.8	22.2
7.7	22.2
7.6	22.3
7.5	22.3
7.4	22.4
7.3	22.4
7.2	22.6
7.1	22.6
7.0	22.6
6.9	22.6

6.75	24.7
6.50	38.0
6.4	45.6



10.0	7.5	
<u>2.5V</u>	<u>1.0V</u>	$\frac{2.5 \times 10^3}{1.0}$

$\pm 20\%$ adjustment range on scale

$$G = \frac{R_1 + R_2 + VR_1}{VR_1 + R_2}$$

Required gain = $\times 2$ nominal

Let $VR_1 = 10K \cdot Pot.$

$\therefore$

for -20% $G = 1.6$, $VR_1 = 10K$

$$1.6 = \frac{R_1 + R_2 + 10K}{10K + R_2}$$

$$\therefore 16K + 1.6R_2 = R_1 + R_2 + 10K.$$

$$\therefore 6K + 0.6R_2 = R_1 \quad \text{--- (1)}$$

For $+20\%$ $G = 2.4$ $VR_1 = 0$

$$2.4 = \frac{R_1 + R_2}{R_2} \quad \therefore 2.4R_2 = R_1 + R_2$$

$$\therefore \underline{1.4R_2 = R_1} \quad \text{(2)}$$

$\therefore$ Sub (2) in (1).

$$1.4R_2 = 0.6R_2 + 6K.$$

$$R_2 = \frac{6K}{0.8} = \underline{7.5K} \quad \therefore R_1 = 1.4 \times 7.5K = \underline{10.5K}.$$

$\approx 10K.$

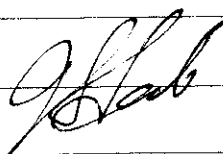
15/11/94

03

VN202 TESTS

MICROCAM 1030 S/N 2845R-2

S/N	50.v	40.m	30.m	20.v	10.5
VN0007	100.0	80.0	60.0	40.0	21.0
VN0004	100.0	80.0	60.1	40.1	21.0
VN000	100.0	80.0	60.0	40.0	21.0
VN003	100.0	80.1	60.0	40.0	20.9



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