

ELECTROSTATIC DEFLECTION - HIGH CONTRAST

WX31931	WX5444	WX30533	WX31016	WX30808	WX30593	WX30930	WX4951	WX31933	WX31812	WX31966	WX31368	TYPE NUMBER
2.25	4	4	4	4	4	4	4	4	4	4	5.5	MINIMUM USEFUL VIEWING DIAMETER (INCHES)
48	42 & 43	42 & 43	42 & 43	42 & 43	45	49	44	42 & 43	42 & 43	42 & 43	42 & 49	PAGE NUMBER FOR OUTLINE AND BASING
1	2	2	2	2	1	1	1	2	2	2	2	NUMBER OF WRITE GUNS
ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	TYPE OF FOCUS
20	30	30	15	15	30	30	15	15	15	15	20	GAS VIEWING DURATION (SECONDS) NOTE d
5x10 ⁵	3.6x10 ⁴	3.6x10 ⁴	7.2x10 ⁴	7.2x10 ⁴	1x10 ⁵	5x10 ³	1x10 ⁵	7.2x10 ⁴	7.2x10 ⁴	7.2x10 ⁴	4.5x10 ⁴	MINIMUM WRITING SPEED INCHES/SECOND
5	18	10	5	5	12	70	30	5	5	4	7	TYPICAL ERASE TIME (MILLISECONDS) NOTE e
2000	1500	1500	1800	1800	1000	400 ^Δ 10 ^p	1200	4000	1500	4000	1000	MINIMUM DISPLAY LUMINANCE (Ft-L)
125	60	65	70	70	60	50	60	80	110	110	70	MINIMUM CENTER SHRINKING RASTER RESOLUTION (LINES/INCH)
-	-	-	-	-	-	-	1.0	-	-	-	-	ERASE UNIFORMITY (Δ ep) NOTE f
7b	7b	7b	7b	7b	7b	5b	6b	7b	7b	7b	7b	BRIGHTNESS LEVELS (GRAY SCALES)
10	10	10	10	10	10	8	10	10	10	10	10	SCREEN VOLTAGE (KILOVOLTS)
15	15	15	15	15	12.5	12	10	15	15	5	15	BACKING ELECTRODE VOLTS
250	250	250	300*	265	200*	120	200	265	265	265	250	COLLECTOR VOLTS
100	80	80	-	80	-	40	60	80	80	75	100	COLLIMATOR C VOLTS (TYPICAL)
-	-	-	-	-	-	-	-	-	-	-	70	COLLIMATOR D VOLTS (TYPICAL)
-	-	-	-	-	-	-5c	-	-	-	-	-	COLLIMATOR E VOLTS (TYPICAL)
0 to -50	0	0	-80*	0 to -50	0 to -50	0 to -50	0 to -50	0 to -50	0 to -50	0 to -50	0 to -35	CONTROL GRID 1 FLOOD GUN (VOLTS)
75 to 125	100	100	90 to 110	90 to 110	120	100	90 to 110	90 to 110	90 to 110	90 to 110	90 to 110	WRITE GRID 2 & 4 VOLTS
-1350 to -1700	±0.15% WG 2-4	±0.15% WG 2-4	-2000 to -2300	-2000 to -2300	-1800 to -2100	-1600 to -2300	-2000 to -2300	-2000 to -2300	-1200 to -1700	-1300 to -1700	-1200 to -1400	WRITE GRID 3 FOCUS (VOLTS)
-1750 to -1830	-945 to -975	-1165 to -1215	-2460 to -2500	-2460 to -2500	-2400 to -2475	-2560 to -2590	-2400 to -2470	-2460 to -2500	-1700 to -1775	-1720 to -1730	-1600 to -1670	WRITE GRID 1 CUTOFF RANGE (VOLTS)
-1750	-900 (nom)	-1100 (nom)	-2400	-2400	-2400	-2500	-2400	-2400	-1700	-1700	-1600	WRITE CATHODE VOLTS
40 to 65	35	40	32 to 40	32 to 40	28 to 35	25 to 35	28 to 35	32 to 40	40 to 55	28 to 40	14 to 35	DEFLECTION FACTOR VOLTS D.C./INCH/ K.V.
75	75	75	75	75	75	75	75	75	75	150	75	SUPPRESSOR ELECTRODE VOLTS
Compact	Precision Deflection System	High Contrast Radar and Television Capability			Fast Writing Speed	Split Screen (CRT/ DST)	High Contrast	High Brightness	High Resolution	High Res. & High Bright. Well suited for radar & T.V. applications	Large Display Dual Gun	Comments