

Medical CALIBRATION QUICK GUIDE

THIS DOCUMENT IS A GUIDE AND IS NOT INTENDED TO TAKE THE PLACE OF THE SERVICE MANUAL

**ATP Board SW2-3 ON (Service Mode)
HT Controller SW2-4 ON – During Calibration (mA Open Loop – NO mA feedback)**

CONFIGURATION	CALIBRATION	AUTO –CALIBRATION	MANUAL CALIBRATION
<p>Press ON + Slow + Fast together</p> <p>kVp = tube # (Tube 1) mAs = Bucky (0-Direct/1-Bucky 1/2-Bucky 2) mA = AEC (0-No AEC/ 1-IC 1/ 2-IC 2)</p> <p>Press Slow/fast to exit</p> <p>(ACTIVE STATION=BLINKING)</p>	<p>Press Slow/Fast to Enter</p> <p>Extended Memory Increase mA to E0#'s Density Arrows to change E0#'s (will display in kVp window) AEC Reset to display and store (will display in kVp window)</p> <p>Press Slow/fast to exit</p> <p>Change Foci Select Lowest Large foci mA (160 small/200 large) Press ON+Reset to Store</p>	<p>Press Slow/Fast to Enter</p> <p>ENTERING AUTO-CAL ERASES FILAMEN # Select Small Foci (50kVp 10mA) ON + kV ↑ release – Code 222 + beep ON + kV ↑ release – Checking mA's Hold EXP switch Code 999 – complete Exit foci ON + kV ↓ release Select Large Foci (50kVp 200mA) ON + kV + ↑ release – Code 222 + beep ON + kV + ↑ release – Checking mA's Hold EXP switch Code 999 – complete</p> <p>TURN OFF (ATP SW2-3 & HT BD SW2-4) Press Slow/Fast to EXIT</p>	<p>Press Slow/Fast to Enter</p> <p>80kVp Lowest mA Expose AEC reset to read fil# in kvP window Change Filament # by Denisty ↑↓ AEC reset to save fil#</p> <p>Press Slow/Fast to EXIT</p> <p>*344 Filament value not set</p>

Extended Memory Locations

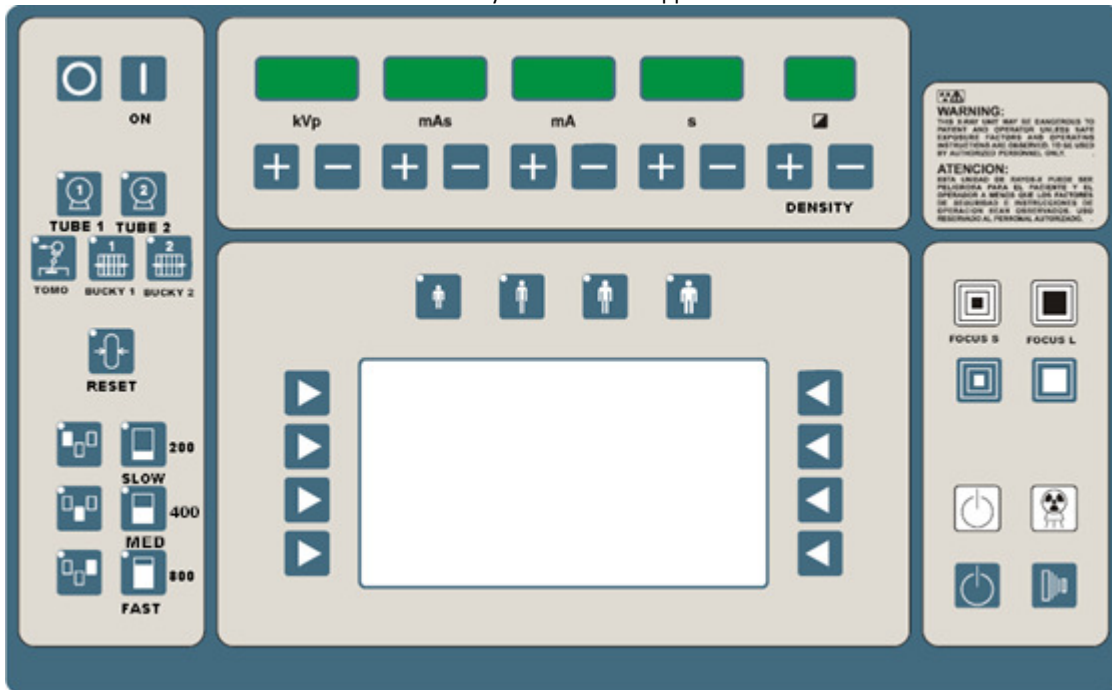
MEMORY LOCATION FUNCTION VALUE

E01	RAD filament stand-by (Autocalibrated. Not field changeable)	86
E02	RAD tube type	TUBE #
E03	Low Digital mA Loop Closed (from 10 mA to 80 mA)	200 (+10/-5)
E04	AEC-1 calibration	70
E05	High Digital mA Loop Closed (from 100 mA)	200 (+10/-5)
E06	kV Loop (fine kV adj.)	200 (+10/-5)
E07	Maximum kW (Factory set. Only field changeable to lower value)	32, 40, 50, etc.

Change Language

Press middle "Human"
Toggle ON button

*Console may have different appearance



2/22/17

**ATP Board SW2-3 OFF (AFTER CALIBRATION)
HT Controller SW2-4 OFF – AFTER Calibration (for mA feedback)**

SECTION 4 X-RAY TUBE DATA

The following table lists several common X-ray tubes and their corresponding number. If a specific tube is not listed, tube specifications are given to enable you chose a similar tube type. If none of the listed tubes are satisfactory, contact your generator supplier to obtain special software.

Table 4-1
X-ray Tube Numbers

TUBE NUMBER	TUBE CODE (ID)	MODEL	FOCAL SPOT	POWER RATINGS		KHU
				LS (kW)	HS (kW)	
001	139	TOSHIBA E7239X	1.0 / 2.0	22 / 45	-	133
002	201	TOSHIBA E7240X	0.6 / 1.2	15 / 30	-	140
003	140	TOSHIBA E7242X	0.6 / 1.5	18 / 49	-	187
004	090	TOSHIBA E7252X	0.6 / 1.2	15 / 42	26 / 73	300
005	412	TOSHIBA E7254FX	0.6 / 1.2	23 / 60	40 / 102	400
006	407	TOSHIBA E7884X	0.6 / 1.2	21 / 52		300
007	310	TOSHIBA E7843X	0.6 / 1.2	22 / 49	-	150
008	344	TOSHIBA E7865X	0.3 / 1.0	3 / 40	-	140
009	402	TOSHIBA E7876X	0.6 / 1.2	22 / 53		230
010	260	IAE RTM 101 HS	0.6 / 1.2	22 / 55	37 / 99	400
011	441	TOSHIBA E7886X	0.7 / 1.3	16.9 / 40		300
012	381	TOSHIBA E7869 X	0.6 / 1.2	21 / 55	36 / 96	600
013	404	VARIAN RAD 14	0.6 / 1.2	21 / 54	32 / 77	300
014	161	VARIAN RAD 21	0.6 / 1.2	21 / 64	36 / 100	300
015	395	VARIAN RAD 60	0.6 / 1.2	26.1 / 66	40 / 100	400
016	238	VARIAN RAD 74	0.6 / 1.5	20 / 52	-	200
017	252	VARIAN RAD 92	0.6 / 1.2	26 / 62	40 / 99	600
018	092	VARIAN A-192	0.6 / 1.2	25 / 63	40 / 96	300
019	309	VARIAN A196	0.6 / 1.0	20 / 47	32 / 72	350
020	438	VARIAN A-292	0.6 / 1.2	25 / 62.5	39.6 / 96	400
021	208	VARIAN G 292	0.6 / 1.2	25 / 63	39 / 95	600
022	051	GE-CGR MN 640	1.0 / 1.8	23 / 46	-	150
023	064	GE MAXIRAY-75	0.6 / 1.5	12 / 37	21 / 62	300
024	062	GE MAXIRAY-100	0.6 / 1.25	18 / 55	31 / 100	350
025	261	SIEMENS DR 154/30/50	1.2 / 1.8	31 / 53	-	200
026						
027						

Note . - Power Ratings are for 60 Hz. To calculate Power Ratings for 50 Hz multiply the values by 0.91

TB63 (+S)