

Chapter 4- Troubleshooting

A number of diagnostic readings appear on the right side of the service screens.

DAC Volt	0.000	ADT	22.66
Language	English	ACT	22.65
Temp U	C	P11	32.67
Volume	Maximum	P12	32.67
Pat Alarm	1.0C	P21	327.67
Elevate	Enable	P22	327.67
Pat Ctrl	Both	HSP	18208
Pat Algo			
Reserved		LV1	117.4
Reserved		LF	60
Scale U	gms	MC	0.001
Scale R	10g	TV	1.648
Comfort	Enable	5V	5.059
Set Time		VR	1.233
View Mods		DV	0.000
Down		BV	0.000
	HFS	1500	
	LFS	1000	
	RH	49	
	SR	1548	
	SC	21279	
Last Cal: 4-12-00 Fi 11-1-01 9:54am			

Figure 4-6
First service screen
Diagnostics

HFS	High fan speed. Should be 1500 +/- 100 (measured at power up only)
LFS	Low fan speed. Should be 1000 +/- 100 (measured at power up only)
RH	Relative Humidity. % humidity read in the patient chamber
SR	Scale counts raw
SC	Scale counts corrected
ADT	Air display temperature. Temperature read by the first thermistor in the compartment probe. Should be +/- 0.3°C of ACT temperature.
ACT	Temperature read by second thermistor in the compartment probe. Should be +/- 0.3°C of ADT temperature.
P11	Reading from the first thermistor in patient jack 1. Should be +/- 0.5°C of P12 temperature.
P12	Reading from the second thermistor in patient jack 1. Should be +/- 0.5°C of P11 temperature.
P21	Reading from the first thermistor in patient jack 2. Should be +/- 0.5°C of P22 temperature.
P22	Reading from the second thermistor in patient jack 2. Should be +/- 0.5°C of P21 temperature.
HSP	Heat sink probe resistance. Should be approximately 20000 ohms @ 25°C. See section 4.5 for resistance verses temperature values.
LV1	Line voltage in first mains circuit.
LF	60Hz or 50Hz
MC	Motor current. Shows current drawn by the e-base motor
TV	Thermistor voltage. Voltage of thermistor circuits located on the mother board.
5V	Power supply voltage. Should be +/- 0.25V of 5V
VR	Voltage reference. Independent voltage reference. Should be 1.235V +/- 1%
DV	DAC output voltage. It should match the DAC volt value within 10 mV.
BV	Used for manufacturing only, not for service use.

Across the bottom of the screen the date of last time the temperature and line voltage calibration was performed appears plus the current time settings of the unit.