

Connected but not scanning:

State : Calibrating

Firmware	:	66	Stored PROM level
Mushware	:	3500	Stored Firmware revision
ScanIonTime	:	24999 μ s	Ionization time used for scan
ScanPreTIC	:	0	PreScan TIC signal value
Emission	:	2 μ A	Emission current
Emission_SP	:	26 μ A	Emission current setpoint
Turbo_Speed	:	98 %	Turbo pump speed
Manifold	:	222 $^{\circ}$ C	Manifold temperature
Manifold_SP	:	220 $^{\circ}$ C	Manifold temperature setpoint
Fil_Bias	:	11863 mV	Filament bias
Gate_Supply	:	197 V	Gate supply
Gate_Voltage	:	-145 V	Gate voltage
DiagAux_+5V	:	5032 mV	Diag auxiliary 5V
DiagAux_-15V	:	-15392 mV	Diag auxiliary -15V
DiagAux_+15V	:	15098 mV	Diag auxiliary 15V
DiagPwr_+14V	:	14804 mV	Diag power pcb +14V
DiagPwr_+22V	:	23529 mV	Diag power pcb +22V
DiagPwr_750V	:	753 V	Diag power pcb 750V
DiagAna_+5V	:	4903 mV	Diag analog +5V
DiagAna_-15V	:	-15348 mV	Diag analog -15V
DiagAna_+15V	:	15132 mV	Diag analog +15V
DiagAna_+28V	:	24 mV	Diag analog +28V (RF)
DiagAna_+40V	:	42088 mV	Diag analog +40V
DiagEle_-15V	:	-15038 mV	Diag electrometer -15V
DiagEle_+15V	:	14960 mV	Diag electrometer +15V
Axial_SP	:	3523 mV	Axial modulation setpoint

Connected and actively scanning:

State : Calibrating

Firmware	:	66	Stored PROM level
Mushware	:	3500	Stored Firmware revision
ScanIonTime	:	842 μ s	Ionization time used for scan
ScanPreTIC	:	2347	PreScan TIC signal value
Emission	:	25 μ A	Emission current
Emission_SP	:	26 μ A	Emission current setpoint
Turbo_Speed	:	98 %	Turbo pump speed
Manifold	:	220 $^{\circ}$ C	Manifold temperature
Manifold_SP	:	227 $^{\circ}$ C	Manifold temperature setpoint
Fil_Bias	:	11765 mV	Filament bias
Gate_Supply	:	197 V	Gate supply
Gate_Voltage	:	-145 V	Gate voltage
DiagAux_+5V	:	5032 mV	Diag auxiliary 5V
DiagAux_-15V	:	-15392 mV	Diag auxiliary -15V
DiagAux_+15V	:	15098 mV	Diag auxiliary 15V
DiagPwr_+14V	:	14804 mV	Diag power pcb +14V
DiagPwr_+22V	:	22588 mV	Diag power pcb +22V
DiagPwr_750V	:	729 V	Diag power pcb 750V
DiagAna_+5V	:	4903 mV	Diag analog +5V
DiagAna_-15V	:	-15348 mV	Diag analog -15V
DiagAna_+15V	:	15132 mV	Diag analog +15V
DiagAna_+28V	:	28022 mV	Diag analog +28V (RF)
DiagAna_+40V	:	40720 mV	Diag analog +40V
DiagEle_-15V	:	-15038 mV	Diag electrometer -15V
DiagEle_+15V	:	14960 mV	Diag electrometer +15V
Axial_SP	:	3479 mV	Axial modulation setpoint