ADJUSTMENTS

T100

DAC Calibration

1. SETUP-MORE-DIAG
2. ANALOG I/O CONFIGURATION (WILL NEED A CALIBRATED METER)

UV Lamp Adjustments

1. Rotate, up/down
   Andover filters arrow toward the Rx Cell/Detector
2. VR1 on detector board

PMT Preamp Board

HV Coarse	=	S2
HV Fine	=	S1
Span	=	R29
ET	=	R19
OT	=	R28

PRESSURE/FLOW CALIBRATIONS

1. Located in the DIAG menu. (May need to use the 929 password)

I^2C BUS Routes and Connections

Motherboard (J107) →Relay board (J3)
Motherboard (J106) →(P2) Ethernet Aux I/O (P3) →(J1) LCD Interface (J14) →UVPS (P1)

T200

DAC Calibration

1. SETUP-MORE-DIAG
2. ANALOG I/O CONFIGURATION (WILL NEED A CALIBRATED METER)

PMT Preamp Board

HV Coarse	=	S2
HV Fine	=	S1
Span	=	R29
ET	=	R19
OT	=	R28

Relay Board

Moly Temp	=	R17(11.8MV @315DEGREES)

PRESSURE/FLOW CALIBRATIONS

1. Located in the DIAG menu. (May need to use the 929 password)

I^2C BUS Routes and Connections

Motherboard (J107) →Relay board (J3)

Motherboard (J106)→) →(P2) Ethernet Aux I/O (P3) →(J1) LCD Interface

T300

DAC Calibration

1. SETUP-MORE-DIAG
2. ANALOG I/O CONFIGURATION (WILL NEED A CALIBRATED METER)

Sync Demod

CO measure to = VR1 4500mv
Source Energy = Adjust the source

PRESSURE/FLOW CALIBRATIONS

1. Located in the DIAG menu. (May need to use the 929 password)

I^2C BUS Routes and Connections

Motherboard (J106)→ (P2) Ethernet Aux I/O (P3) →(J1) LCD Interface (J14) →(J5) Relay Board

T400

DAC Calibration

1. SETUP-MORE-DIAG
2. ANALOG I/O CONFIGURATION (WILL NEED A CALIBRATED METER)

Bench to 4,500mv = **1st,** Rotate Lamp
2nd, VR1

IZS Rotate lamp in generator then adjust VR1 for 2,500mv in adjust mode

PRESSURE/FLOW CALIBRATIONS

1. Located in the DIAG menu. (May need to use the 929 password)

I^2C BUS Routes and Connections

Motherboard (J107) →Bench UVPS (P1) →O3UVPS (P1)
Motherboard (J106) →(P2) Ethernet Aux I/O (P3) →(J1) LCD Interface (J14) →(J5) Relay Board

T700

DAC Calibration

1. SETUP-MORE-DIAG
2. ANALOG I/O CONFIGURATION (WILL NEED A CALIBRATED METER)

If O_3 Photometer: **1st,** Rotate Lamp
2nd, VR1

O_3 generator: Rotate lamp in generator then adjust VR1 for 2,500mv in adjust mode

Regulator Pressure: Adjust to 20PSI with screwdriver

Photometer CAL O3-photo-bench CAL: use the 717 password

O3 Gen CAL DIAG-O3 GEN CAL-CAL

PRESSURE/FLOW CALIBRATIONS

1. Located in the DIAG menu. (May need to use the 929 password)

Calibrate MFC as necessary. **CAUTION** - You must use a flow standard. API uses BIOS etc.
Calibrate ozone concentration as necessary. **CAUTION** - You must use a transfer standard.

I^2C BUS Routes and Connections

Motherboard (J107) →Bench UVPS (P1) →O3UVPS (P1) →O3UVPS (P1) →Valve Driver Board (P1)
Motherboard (J106) →(P2) Ethernet Aux I/O (P3) →(J1) LCD Interface (J14) →(J5) Relay Board

M701

1)	Pressure Relief Valve –	Set to 90 PSI
2)	Pressure Switch – Main Board	Cut out 78-80 PSI (Pump Off) Cut in 40-45 PSI (Pump On)
3)	Pressure Gauge - Front Panel	To 30 PSI (Pressure Regulator)
4)	HC Scrubber - 300°C	11.2 mv at TB - 1 (R3 near top right corner of PCB)
5)	Regen Tower Reverse Flow:	10-13LPM(At 4 way valve)