



Thermo 42i Normal Operating Parameters

Instrument type	42i NOx	
Parameter	Lower Limit	Upper Limit
PMT Temp	-3.2°C	-2.8°C
PMT Voltage	-900 Volts	-700 Volts
Reaction Chamber Temp	49°C	51°C
Sample Flow	600 ccm	800 ccm
Photometer Lamp Temp	52°C	56°C
Ozonator Lamp Temp	65°C	70°C
NO/NOx Backgrounds	0	10
NO Coefficient	0.9	1.2
NO2 Coefficient	0.99	1.05
NOx Coefficient	0.95	1.05
Pressure	200 mmHg	300 mmHg
Internal Temp	8°C - 12°C degrees above the enclosure temp	