


ANALOX ATA™ Trimix Analyser - Technical Manual

9. Oxygen Compensation Chart

		Oxygen compensation chart for moisture in the atmosphere Atmosphere Oxygen percent in relation to temperature and relative humidity										
		Temp °F	32	40	50	60	70	80	90	100	110	120
		Temp °C	0	4	10	16	21	27	32	38	43	49
% Relative Humidity	Atmospheric Oxygen Percent											
	10	20.9	20.9	20.9	20.9	20.8	20.8	20.8	20.8	20.7	20.7	
	20	20.9	20.9	20.8	20.8	20.8	20.8	20.7	20.6	20.5	20.4	
	30	20.9	20.8	20.8	20.8	20.7	20.7	20.6	20.5	20.4	20.2	
	40	20.8	20.8	20.8	20.7	20.7	20.6	20.5	20.4	20.2	19.9	
	50	20.8	20.8	20.8	20.7	20.6	20.5	20.4	20.2	20.0	19.7	
	60	20.8	20.8	20.7	20.7	20.6	20.5	20.3	20.1	19.8	19.5	
	70	20.8	20.8	20.7	20.6	20.5	20.4	20.2	19.9	19.6	19.2	
	80	20.8	20.8	20.7	20.6	20.5	20.3	20.1	19.8	19.5	19.0	
	90	20.8	20.7	20.7	20.6	20.4	20.3	20.0	19.7	19.3	18.7	
100	20.8	20.7	20.6	20.5	20.4	20.2	19.9	19.5	19.1	18.5		
H ₂ O at 100% RH	If the temperature and RH axis meet in this part of the chart, calibrate to the chart % O ₂ level or with dry air to maintain 0.5% O ₂ accuracy in NITROX											
		0.6	0.8	1.2	1.8	2.5	3.4	4.7	6.5	8.6	11.5	

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