

Gassing Option

CO₂

Carbon Dioxide Option

As StoreX Incubators have to cope with frequent accesses they use a very advanced CO₂ controller that is extremely accurate, fast and stable.

The CO₂ option of StoreX Incubators consists of

- Gassing conditioner
- Gassing Controller
- Measurement Cell

N₂

Nitrogen Option

As StoreX Incubators have to cope with frequent access the use a very high quality N₂ Controller. The nitrogen measurement is based on a oxygen measurement. The N₂ option therefore assumes that oxygen is displaced by nitrogen.

The N₂ Option of StoreX incubators consists of

- Gassing Conditioner
- Gassing Controller
- Measurement Cell

O₂

Oxygen Option

The sensors of oxygen measurement are based on the same principles as described above. The main difference is the measurement range of the sensor used in the CO₂ option.

The maximum concentration of oxygen allowed with this option is limited to 25 % O₂ vol. For safety reasons.

Order information

	<u>Order Nr.</u>
Fast CO ₂ Gassing Option	9118 11 12
Fast N ₂ Gassing Option	9118 11 13
Fast O ₂ Gassing Option	9118 11 14
Additional CO ₂ Gassing Option	9118 11 07
Additional N ₂ Gassing Option	9118 11 11
Additional O ₂ Gassing Option	9118 11 08

Specifications

CO₂

Measuring Range	0..10	% Vol
Input Pressure	1 4	bar typ. bar max.
Gas Flow	~ 10	L/min max.
Gas Consumption @ 5 % CO ₂ , 37°C S	< 1 ~ 7 ~ 8	l/h standby l/h 2 min. access cycles l/h 30 sec. access cycles
Measuring Wavelength	4200	Nm
Accuracy	± 3	% FS
Stability	± 5	% FS over 12 month
Repeatability	± 0.5	% at full scale
Response Time	~ 30	s
Warm-up Time	5 30	min. operation min. full accuracy
MTBF	5	years

N₂

Measuring Range	75 .. 99.9	% Vol.
Input Pressure	1 4	bar typ. bar max.
Gas Flow	~ 10	l/min max.
Accuracy	± 0.5	% FS
Stability	± 0.5	% FS over 12 month
Repeatability	± 1	% at full scale
Response Time	~ 30	s
Warm-Up Time	5	min. operation
MTBF	30000	hrs

O₂

Measuring Range	0..25	% Vol.
Input Pressure	1 4	bar. Type bar max.
Gas Flow	~ 10	l/min max.
Accuracy	± 0.5	% FS
Stability	± 0.5	% FS over 12 month
Repeatability	± 1	% at fill scale
Response Time	~ 30	s
Warm-up Time	5	min. operation
MTBF	3000	hrs