

# Options

## N<sub>2</sub> Gassing Option

Consists of

Gassing Conditioner

Gassing Controller

Measurement Cell



Options

## N2 Nitrogen Option

As StoreX incubators have to cope with frequent accesses the use a high quality N2 controller. The nitrogen measurement is based on an oxygen measurement. The N2 option therefore assumes that oxygen is displaced by nitrogen.

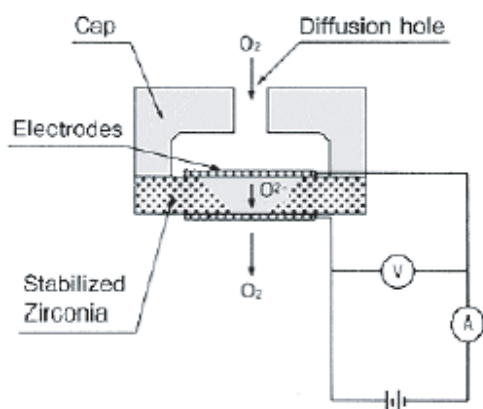
The N2 Option of StoreX consists of

- Gassing conditioner
- Gassing Controller
- Measurement Cell

Specifications		
Measuring Range	75..99.9	% Vol.
Input Pressure	1	bar type.
	4	bar max.
Gas Flow	~10	l/min max.
Accuracy	+/- 0.5	% FS
Stability	+/- 0.5	% over 12 month
Repeatability	+/- 1	% at full scale
Response Time	~30	s
Warm-up Time	5	min. operation
	-	min full accuracy
MTBF	30`000	hrs

## Principle of Operation

A zirconia electrolyte disc with electrodes on both sides has the ability to pass oxygen ions at high temperature.



By attaching a cap with an aperture on one side (cathode) of the disc, the gas diffusion is limited and the saturated current is observed. It is termed "limiting current". The limiting current is proportional to the ambient oxygen concentration.

Order Information	
	<b>Order Nr.</b>
Fast N2 gassing option, linear precision gas detector, control, display and remote readout, 75..100% vol., Gassing conditioner	9118 11 13
Additional N2 gassing option, linear precision gas detector, control, display and remote readout, 75..100% vol.	9118 11 11