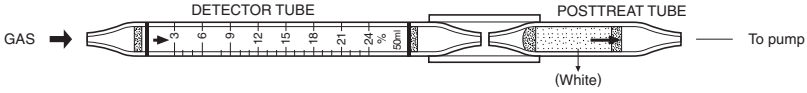
Tube No.
159SC

OXYGEN



1. PERFORMANCE

1) Measuring range	: 3-24 %	1.5-3 %
Number of pump strokes	1/2(50mℓ)	1(100mℓ)
2) Sampling time	: 1 minute/1/2 pump strokes	
	1.5 minutes/1 pump stroke	
3) Shelf life	: 2 years	
4) Operating temperature	: 0 ~ 45 ℃	
5) Reading	: Direct reading from the scale calibrated by 1/2 pump stroke	
6) Colour change	: Black → White	

2. RELATIVE STANDARD DEVIATION

RSD-low : 5 % RSD-mid. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

Titanium trichloride is oxidized and Titanium oxide is produced.

$O_2 + TiCl_3 \rightarrow TiO_2$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Sulphur dioxide	The accuracy of readings is not affected.	The accuracy of readings is not affected.
Carbon dioxide	〃	〃
Nitrogen dioxide	〃	〃
Hydrogen sulphide	〃	〃

(NOTE)

When the concentration is below 3%, 1 pump stroke can be used to determine the lower concentration with following formula.

Actual concentration = 1/2 × Reading value