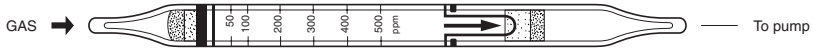
Tube No.
182SA OZONE



1. PERFORMANCE

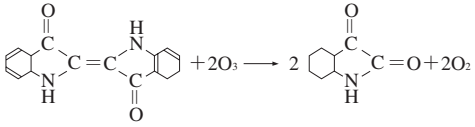
1) Measuring range	: 100-1,000 ppm	50-500 ppm
Number of pump strokes	1/2(50mℓ)	1(100mℓ)
2) Sampling time	: 1 minute/1 pump stroke	
3) Detectable limit	: 5 ppm(100mℓ)	
4) Shelf life	: 2 years	
5) Operating temperature	: 0 ~ 40℃	
6) Reading	: Direct reading from the scale calibrated by 1 pump stroke	
7) Colour change	: Dark blue → Yellow	

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

Indigo is oxidized and Isatin is produced.



4. CALIBRATION OF THE TUBE

COLOURIMETRY METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Nitrogen dioxide	Similar stain is produced.	The top of discoloured layer becomes unclear and higher readings are given.
Chlorine	〃	〃

(NOTE)

In case of 1/2 pump strokes, following formula is available for actual concentration.

Actual concentration = 2 × Reading value