Tube No.
182SB

OZONE

1. PERFORMANCE

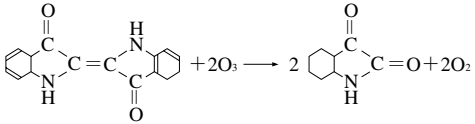
1) Measuring range	: 10-100 ppm	5-50 ppm	2.5-25 ppm
Number of pump strokes	1/2(50mℓ)	1(100mℓ)	2(200mℓ)
2) Sampling time	: 1.5 minutes/1 pump stroke		
3) Detectable limit	: 1 ppm(100mℓ)		
4) Shelf life	: 2 years		
5) Operating temperature	: 0～40℃		
6) Reading	: Direct reading from the scale calibrated by 1 pump stroke		
7) Colour change	: Blue→Pale 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	ppm	Interference	Coexistence
Nitrogen dioxide	10	Similar stain is produced.	The top of discoloured layer becomes unclear and higher readings are given.

(NOTE)

1) In case of 1/2 pump strokes, following formula is available for actual concentration.
Actual concentration = 2 × Reading value

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Actual concentration = 1/2 × Reading value