

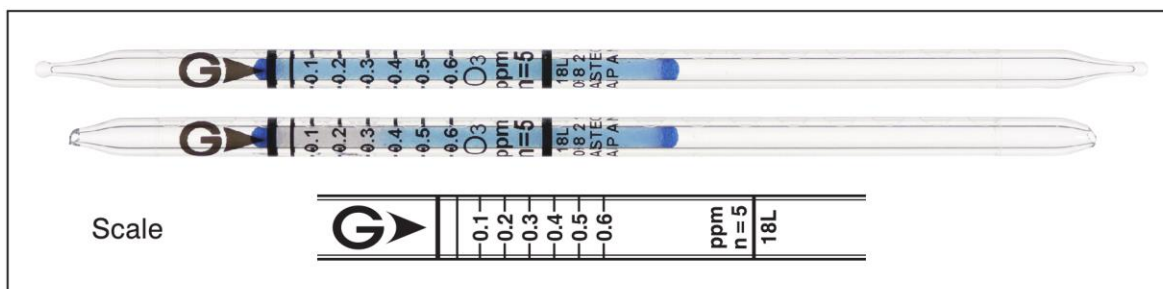


## Ozone O<sub>3</sub>

Part No.: 18L

# Ozone O<sub>3</sub>

No.18L



**Performance** The minimum scale value (0.05ppm) is not printed on the tube, but only the scale line is printed.

|                        |                   |                   |              |             |
|------------------------|-------------------|-------------------|--------------|-------------|
| Measuring range        | 0.025 to 0.05 ppm | (0.05) to 0.6 ppm | 0.6 to 3 ppm | 3 to 6 ppm  |
| Number of pump strokes | 10 (1000 mL)      | 5 (500 mL)        | 1 (100 mL)   | 1/2 (50 mL) |
| Correction factor      | 1/2               | 1                 | 5            | 10          |
| Sampling time          | 10 min            | 5 min             | 1 min        | 30 sec      |

Detecting limit : 0.01 ppm (10 pump strokes)

Colour change : Blue → White

Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used

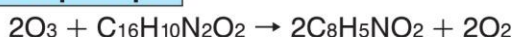
Relative humidity 0 to 90 % correction not used

Relative standard deviation : 10 % (for 0.05 to 0.2 ppm) , 5 % (for 0.2 to 0.6 ppm)

Tube quantity and number of tests per box : 10 tubes for 10 tests

Shelf life : 36 months

### Reaction principle



### Possible coexisting substances and their interferences

| Substance         | Concentration | Interference  | Changes colour by itself to |
|-------------------|---------------|---------------|-----------------------------|
| Bromine           | $\geq 1$ ppm  | +             | White                       |
| Hypochlorous acid |               | +             |                             |
| Nitrogen dioxide  | $\geq 1$ ppm  | +             |                             |
| Oxidant           |               | +             |                             |
| Chlorine          | $\geq 10$ ppm | + (Bleaching) | Unclear demarcation         |
| Water vapour      | RH 100 %      | +             |                             |

RH : Relative humidity

### Calibration gas generation

Ozone generator