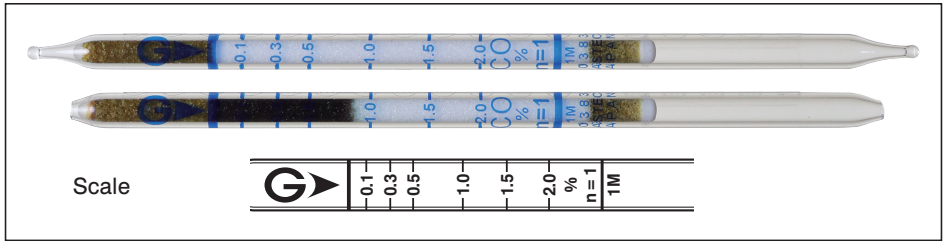


Carbon Monoxide CO

No.1M

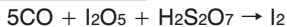


Performance

| | | | |
|------------------------|---------------|--------------|--------------|
| Measuring range | 0.05 to 0.1 % | 0.1 to 2.0 % | 2.0 to 4.0 % |
| Number of pump strokes | 2 (200 mL) | 1 (100 mL) | 1/2 (50 mL) |
| Correction factor | 1/2 | 1 | 2 |
| Sampling time | 2 min | 1 min | 30 sec |

Detecting limit : 0.01 % (2 pump strokes)
 Colour change : White → Pale brown
 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 0.1 to 0.5 %), 5 % (for 0.5 to 2 %)
 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 |
|-------------------------------|---------------|--------------|-----------------------------|
| Acetylene | ≧ 0.1 % | + | Blackish brown |
| Butane | ≧ 0.3 % | + | |
| Propane | ≧ 10 % | + | |
| Hexane | ≧ 0.1 % | + | Pale brown (whole layer) |
| Olefins (Ethylene, Propylene) | ≧ 2/3 | + | |

Other substance measurable with this detector tube

| Substance | Correction | No. of pump strokes | Measuring range |
|-----------|------------|---------------------|-----------------|
| Gasoline | Factor : 1 | 1 | 0.1 to 2 % |

Calibration gas generation

High pressure gas cylinder method