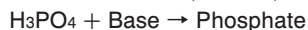


Performance

| | |
|--|--------------------------------------|
| Measuring range | 2 to 600 ppm |
| Sampling time | 1 to 10 hours |
| Colour change : | Yellow → Reddish brown |
| Corrections for temperature & humidity : | Temperature correction is necessary. |
| Relative standard deviation : | 10 % (for 20 to 600 ppm·hr) |
| Shelf life : | 2 years (in the refrigerator) |

Reaction principle



Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|--------------------|---------------|--------------|--|
| Aldehydes, Ketones | | + | Reddish brown |
| Acid gases | | + | Reddish brown (Unclear demarcation) |

Other substances measurable with this Dosi-tube

| Substance | Correction | Sampling time | Measuring range |
|------------------------|--------------|-----------------|-----------------|
| Acetaldehyde | Factor : 0.6 | } 1 to 10 hours | 1.2 to 360 ppm |
| Acetone | Factor : 0.7 | | 1.4 to 420 ppm |
| Methyl isobutyl ketone | Factor : 2.0 | | 4 to 1200 ppm |

Calibration gas generation

Diffusion tube method