

Mercaptan 0.1/a

Catalog No 8103281

Standard Measuring Range: 0.1 to 2.5 ppm / 3 to 15 ppm
Number of Strokes (n): 10 / 2
Time for Measurement: about 3 minutes / about 40 seconds
Standard Deviation: ± 10 to 15%
Color Change: yellow to red

Ambient Operation Conditions

Temperature: 5 to 40°C
Absolute Humidity: < 2 to 40 mg H₂O/L

Reaction Principle

- a) $R-SH + HgCl_2 \longrightarrow Hg(CH_3S)_2 + 2 HCl$
b) $HCl + pH \text{ Indicator} \longrightarrow \text{reddish reaction product}$

Cross Sensitivity

Propylmercaptan and tert-butyl-mercaptan are indicated but with different sensitivities.

4 ppm ethylene, 30 ppm CO, 10 ppm tetrahydrothiophene do not affect the indication and 200 ppm hydrogen sulfide do not affect the indication.

Hydrogen sulfide changes the prelayer to black.



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