

Hydrocyanic Acid 20/a-D

Order No. 67 33 221

Application Range

Standard Range	Measurement Time
20 to 200 ppm	1 h
10 to 100 ppm	2 h
5 to 50 ppm	4 h
2.5 to 25 ppm	8 h

Standard Deviation ± 20 to 25 %

Color Change yellow \rightarrow red

Ambient Operating Conditions

Temperature 5 to 30 °C

Absolute Humidity 3 to 15 mg H₂O / L

Reaction Principle

- $\text{HCN} + \text{HgCl}_2 \rightarrow \text{HCl}$
- $\text{HCl} + \text{pH Indicator} \rightarrow \text{red reaction product}$

Cross Sensitivity

No interference by:

- 40 ppm ammonia
- 10 ppm hydrogen sulfide
- 5 ppm nitrogen dioxide
- 5 ppm hydrochloric acid
- 2 ppm sulfur dioxide



H