

RKI Sensor Specification

Chlorine (Cl₂)

Features: Fast warm-up time
Good zero stability
Quick response time

Part Number:
Sensor Application:

65-2051
Fixed Systems

| Technical Specifications | | | |
|-----------------------------|---------------------------------|---|---|
| Measuring Principle | Amperometric 3-electrode sensor | Accuracy | +/- 10% of reading or +/- 5% of full scale (whichever is greater) |
| Range of Measurement | 0 – 3.00 ppm / 0-10.0 ppm | Repeatability | +/- 5% of reading |
| Resolution | 1% of full scale | T₉₀ Response time (20°C, 2 min. exposure) | <60 seconds |

| Operating Conditions | | | |
|--------------------------|---------------------------|------------------------|-----------|
| Temperature Range | -20°C to +40°C | Life Expectancy | 2-3 Years |
| Humidity Range | 15-90% RH, Non Condensing | Warranty | 1 Year |

Known Gas Interferences (with interference filter)

| Gas | PPM Gas Applied | Reading |
|--------------------------------------|-----------------|---------|
| Ammonia (NH ₃) | 100 | 0 |
| Bromine (Br ₂) | 1.0 | 1.0 |
| Carbon Dioxide (CO ₂) | 100 | 0 |
| Carbon Monoxide (CO) | 100 | 0 |
| Chlorine Dioxide (ClO ₂) | 2.4 | 0.5 |

| Gas | PPM Gas Applied | Reading |
|-------------------------------------|-----------------|---------|
| Hydrogen (H ₂) | 3000 | 0 |
| Hydrogen Sulfide (H ₂ S) | 20 | 0.1 |
| Nitrogen Dioxide (NO ₂) | 10 | 4.5 |
| Ozone (O ₃) | 0.25 | 0.1 |
| Sulfur Dioxide (SO ₂) | 20 | 0 |