

HYDROGEN CHLORIDE

(0-10.0 ppm)

Part No. 083142-D-3X

| | |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Minimum Indicated Concentration | 0.4 ppm |
| Repeatability | ± 2% of reading |
| Accuracy * | ± 2% of full scale |
| Zero Drift | < 5% change per year (typical) |
| Span Drift | < 3% change per month (typical) |
| Response Time (Rise) | T ₅₀ : < 30 seconds, successive exposures T ₉₀ : < 70 seconds, successive exposures |
| Recovery Time (Fall) | T ₁₀ : < 90 seconds |
| Temperature Range (continuous) | -20° to 50°C (-4°F to 122°F) |
| Humidity Range (continuous) | 5–95 %RH, non-condensing |
| Humidity Range (intermittent†) | 0–99 %RH, non-condensing |
| Pressure Range | Ambient atmospheric, ± 1 psi |
| Recommended Calibration Flow Rate | 1.0 LPM |
| Oxygen Requirement | 1% by volume, minimum |

† Gas exposure should not exceed eight (8) hours during any 24 hour period.

* When unit is calibrated and serviced at recommended intervals.

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| Interferent | TLV | LEL | Exposure | Response |
|-------------------|------------|---------|----------|----------|
| Carbon Monoxide | 25 ppm | 12.5 %v | 91 ppm | + 1 ppm |
| Chlorine | 0.5 ppm | *** | 5 ppm | + 1 ppm |
| Hydrocarbons | asphyxiant | | % Range | None |
| Hydrogen | asphyxiant | 4.0 %v | 1 %vol | None |
| Hydrogen Cyanide | C 4.7 ppm | 5.6 %v | 15 ppm | + 1 ppm |
| Hydrogen Sulfide | 10 ppm | 4.0 %v | 3.6 ppm | + 1 ppm |
| Hydrogen Bromide | | *** | 1 ppm | + 1 ppm |
| Hydrogen Fluoride | C 3 ppm | *** | 3 ppm | None |
| Sulfur Dioxide | 2 ppm | *** | 5 ppm | no data |

Interferent Notes

(***) means the substance is not combustible in air under normal conditions. "C" Denotes a ceiling (in TLV column).

If an interferent is present and there is no target gas, certain transmitters will not display the interferent response until the EFFECT of the interferent reaches ± 0.04 ppm. This is due to display "blinking" that occurs between - 0.03 ppm and + 0.03 ppm on transmitters that display gas concentrations with two digits after the decimal.