

FLUORINE

(0-10.0 ppm)

Part No. 151142-D-1

| | |
|---|---|
| Minimum Indicated Concentration | 0.4 ppm |
| Repeatability | ± 2% of reading |
| Accuracy * | ± 2% of full scale |
| Zero Drift | < 5% change per year (typical) |
| Span Drift | < 10% change per year (typical) |
| Response Time (Rise) | T ₅₀ : < 10 seconds, (typical) T ₉₀ : < 30 seconds, successive exposures |
| Recovery Time (Fall) | T ₁₀ : < 60 seconds |
| Temperature Range | -20° to 50°C (-4° 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 |
|--------------------------|-------------------|----------------|-----------------|------------------|
| Bromine | 0.1 ppm | *** | 2.3 ppm | + 1 ppm |
| Carbon Monoxide | 25 ppm | 12.5 %v | 100 ppm | None |
| Chlorine | 0.5 ppm | *** | 2.3 ppm | + 1 ppm |
| Chlorine Dioxide | 0.1 ppm | *** | 12 ppm | + 1 ppm |
| Hydrocarbons | asphyxiant | 3.1 %v | %-range | None |
| Hydrogen | asphyxiant | 4.0 %v | 1000 ppm | None |
| Hydrogen Chloride | C 5 ppm | *** | 136 ppm | + 1 ppm |
| Hydrogen Cyanide | C 4.7 ppm | 5.6 %v | 10 ppm | None |
| Hydrogen Sulfide | 10 ppm | 4.0 %v | 33 ppm | - 1 ppm * |
| Nitric Oxide | 25 ppm | *** | 100 ppm | None |
| Nitrogen Dioxide | 3 ppm | *** | 19 ppm | + 1 ppm |
| Sulfur Dioxide | 2 ppm | *** | 5 ppm | + 1 ppm |

Interferent Notes

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

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.