# *HYDROGEN CYANIDE*

## *(0-20.0 ppm)*

## *Part No. 033142-D-1*

| | |
|---|---|
| Minimum Indicated Concentration | 0.7 ppm |
| Repeatability | ± 2% of reading |
| Accuracy * | ± 2% of full scale |
| Span Drift | < 5% change per month (typical) |
| Response Time (Rise) | $T_{50}$: < 25 seconds, (typical)<br>$T_{90}$: < 50 seconds, successive exposures |
| Recovery Time (Fall) | $T_{10}$: < 100 seconds |
| Temperature Range | -20° to 50°C (-4° to 122°F) |
| Humidity Range (continuous) | 15–95 %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 | Exposure | Response |
|---|---|---|
| Carbon Monoxide | 100 ppm | None |
| Hydrocarbons | % range | None |
| Hydrogen | 1%V | None |
| Hydrogen Chloride | 5 ppm | no data |
| Hydrogen Sulfide | 20 ppm | None* |
| Nitric Oxide | 20 ppm | – 1 ppm |
| Nitrogen Dioxide | 1.3 ppm | – 1 ppm |

*Note: 40ppm reading after filter breaktrough.

**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 ± 4 ppm. This is due to display "blanking" that occurs between -3 ppm and + 3 ppm on transmitters that display gas concentrations as whole numbers (no decimals).