

# APPENDIX A

## ***SENSOR SPECIFICATIONS***

### **COMBUSTIBLE GAS** **(CATALYTIC BEAD for Hydrogen)** **(0-100 %LEL)** **Part No. 111253-D-1**

Minimum Indicated Concentration .....	4 %LEL
Repeatability .....	± 2% of reading
Accuracy * .....	± 3% 0-50 %LEL, ± 5% 50-100 %LEL
Zero Drift .....	< 5% change per year (typical)
Span Drift .....	< 10% change per year (typical)
Response Time (Rise) .....	T <sub>50</sub> : < 10 seconds, successive exposures T <sub>90</sub> : < 30 seconds, successive exposures
Recovery Time (Fall) .....	T <sub>10</sub> : < 30 seconds
Temperature Range (continuous) .....	-20° to 55°C (-4°F to 131°F)
Humidity Range (continuous) .....	5-95 %RH, non-condensing
Pressure Range .....	Ambient atmospheric, ± 1 psi
Recommended Calibration Flow Rate .....	1.0 LPM
Oxygen Requirement .....	10 %vol, minimum

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

\* When unit is calibrated and serviced at recommended intervals.

†† Recovery times may increase to 5 minutes in explosion-proof versions due to gas trapped in the void space inside the sensor cover.

#### **NOTE**

***The Hydrogen specific catalytic bead combustible sensor will also sense gases detectable by the catalytic bead combustible sensor (PN° 111250-D-1), however the interferences are not linear.***