



<u>GAS</u>	<u>CONCENTRATION (PPM)</u>	<u>H<sub>2</sub>S PPM EQUIVALENT</u>
Hydrogen	100	0
Methane		TBA
Ethylene	100	0
Carbon Monoxide	50	0
Carbon Dioxide	5000	0
Hydrogen Sulphide	25	25

Based upon 5 minute gassing, some break through may occur if gas applied for longer periods.

Operating Temperature Range: -20°C to +55°C

Operating Humidity Range: 15-90% Continuous  
0-99% Intermittent, Non-Condensing

Output: 0.2 – 1.0V dc

Response time: <30S to t<sub>90</sub>

Internal display: LED's (zero, 50% FSD and 100% FSD)

Calibration: Calibration by internal potentiometer

Zero Setting: Auto zeroing

### I.S. Cable Parameters

When using the Zener Barrier type ZB1 (inside ED810) or type ZBD1 the total capacitance of the cable must not exceed 6.8uF and the inductance or the inductance to resistance (L/R) ratio should not exceed 0.03mH or 14uH/Ω respectively.

If using a different Zener Barrier than stated above contact Electronic Devices Ltd. for further details.

## CALIBRATION INSTRUCTIONS

1. At EDS/C head electronics measure between – I/P and + I/P, ensure voltage reading is in the range 4.75 – 5.4V.
2. Ensure the sensor has been powered and allowed to stabilise for a minimum of 24 hours and the head electronics is indicating zero gas.
3. Using suitable H<sub>2</sub>S in a balance of air, check calibration of EDS/C. TP4 has a range of 0-1.0V dc. The output terminal has a range of 0.2-1.0V dc, adjust the span potentiometer (clockwise increases sensitivity) as necessary.
4. Ensure the 50% and 100% FSD lamps operate, also ensure the ED710I operates correctly. If the ED710I is not showing the correct output then the ED710I set up will have to be followed. The adjustment of the zero reading on the ED710I is normal due to the voltage drop along the 0V conductor.



### **ELECTRONIC DEVICES LIMITED**

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