



## ***Deuterium Gas Analyser -Model – D2 A***

**Gas Analyser to detect Deuterium (D<sub>2</sub>) in pure Nitrogen (N<sub>2</sub>).**

Range: 0 – 100%, Resolution: 0.1%.

Electronic Unit and Detector Unit housed  
In separate compartment.

Electronic Unit to be connected electrically  
Through Safety barrier to Detector Unit

### **1. Electronic Unit Specifications:**

Power Supply : - 230 Vac.

Principal of Operation: - Thermal Conductivity (Imported Sensor).

Output: - 4 – 20 mA, Range 0 – 7% (Self powered)

Alarm : - Single Adjustable Potential free contacts NO/ NC.

Display : - Digital 2 ½ LED.

Range : - 19.9 % D<sub>2</sub> in N<sub>2</sub>

Operation Temp. : -5°C to 45°C (ambient)

Cabinet: - Panel Mount / Wall Mount / Table Mount.

Area of operation : Safe Area

## 2. Detector Unit Specifications: -

Principal of Operation: - Thermal Conductivity.

Sensor : - Imported with 3 way valve for 1) for Reference /sample calibration.

### The detector Unit Gas Circuit consist of,

Input : - Reference line & Sample line - 1/4”  
compression fitting with flow  
Control (Needle valve) and Rotameter.

Vent : - 1/4’ to be released in atmosphere Pressure  
(No Back Pressure on Sensor)

Calibration : - By sample reference selector valve for calibration  
Purpose. To be calibrated with standard calibration gas.

- ◆ In the interest of continued product we reserve the right to change the specification without prior notice



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