

## Deuterium Gas Analyser -Model – D2 A



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Gas Analyser to detect Deuterium ( $D_2$ ) in pure Nitrogen ( $N_2$ ).

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 3 ½ LED.

Range : -0 – 100%, Resolution: 0.1%. %  $D_2$  in  $N_2$

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 Reference /sample calibration.
  - The detector Unit Gas Circuit consist of, Input: - Reference line & Sample line - ¼"Compression fitting with flow Control (Needle valve) and Rotameter. Vent : - ¼' 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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