



Sciencetech 2483 Online Dissolved Oxygen Measurement Test Bench is a solid state instrument designed to provide precise DO and Temperature measurement. The instrument uses latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility. The system has user friendly prompts, which guide you throughout measurements process.

This is extremely useful for agriculture and soil analysis laboratories, fisheries, water quality control in boiler feed water, water works department, breweries, water purification plants, chemical & pharmaceutical industries.

Features

- Dissolved oxygen & temperature measurement.
- This system has an Online Dissolved Oxygen transmitter and its display, ss measuring tank and a small air compressor.
- Heavy duty Test bench
- Enhanced electrical safety consideration.
- System frame with wheel arrangement for ease in movement.

Scope of Learning

- Study and use of dissolved oxygen sensor and meter.
- Dissolved oxygen & temperature measurement.

Technical Specifications

Sensor	
Type	: 2 pole sensor, gold cathode, silver/silver halogen anode
Range	: 0.00 – 2.00 ppm
Resolution	: 0.01 ppm
pH range	: 2 – 11 pH
Temperature range	: 0-45°C
Output	: 4-20 mA
Sensor display	
Input	: From DO2 sensor
Display	: 2 line X 16 character LCD backlit
Relay output	: 2 nos. (high & low)
Range	: 0-20 ppm
Accuracy	: $\pm 0.25\%$ of full scale
Operating temperature	: 0 to 50°C max.
Relative humidity	: 5-95% @25°C
Air compressor	: 1 no.
Tank capacity	: 5 liter
Max. pressure	: 4 bar or 60 Psi
Pressure regulator	: Yes
SS measuring tank	: 1 no.
Capacity	: 15 liter
Power Supply	: 230 V AC