



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Computer Controlled Wetted Wall Gas Absorption Column

**Product Code :**  
LBNY-0002-710001



#### **Description :**

Computer Controlled Wetted Wall Gas Absorption Column, Computer Controlled Wetted Wall Gas Absorption Column Equipments, Computer Controlled Wetted Wall Gas Absorption Column Tools, Computer Controlled Wetted Wall Gas Absorption Column Tool Kits, Computer Controlled Wetted Wall Gas Absorption Column Manufacturers, Computer Controlled Wetted Wall Gas Absorption Column Suppliers from India, China, Kenya

Lab Tender Suppliers Africa and Lab Equipment Africa Kenya, Zambia, Chad, Somalia, Senegal, Zimbabwe, Guinea, Rwanda, Benin, Burundi, Tunisia, Uganda, Sudan, Algeria, Morocco, Angola, Ghana, Mozambique, Madagascar, South Africa, Ivory Coast, Cameroon, Niger, Burkina Faso, Mayotte, Sao Tome, Seychelles, South Sudan, Mali, Malawi, Nigeria, Ethiopia, Egypt, DR Congo, Mauritania, Eritrea, Gambia, Botswana, Namibia, Gabon, Lesotho, Guinea Bissau, Equatorial Guinea, Mauritius, Eswatini, Djibouti, Reunion, Comoros, Cape Verde, Western Sahara, Tanzania, Togo, Sierra Leone, Libya, Congo, Central African Republic, Liberia

#### **Technical Specification :**

Computer Controlled Wetted Wall Gas Absorption Column

The studied absorption process corresponds to the oxygen-deoxygenated water system, where the oxygen comes from the air and the deoxygenated air is obtained through a desorption column, where a water current comes into contact with a nitrogen current.

This is an example of absorption controlled by liquid film, so that the liquid film mass transfer coefficient can be determined for different water flows.

The unit consists of two glass columns, an absorption one and a desorption (deoxygenation) one, both of them supplied by two computer controlled pumps.

Air is introduced by a blower through the bottom of the column.

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All the flow rates (air, water and nitrogen) are measured by sensors.

The absorption column has two overflows (one at the top and another at the bottom) connected to two membrane electrodes to measure the oxygen dissolved in water at the inlet and outlet of the column, together with an O<sub>2</sub> measurement unit.

Computer to be made available by the user.

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**Laboratory Instrument India**