



Hemodialysis Machine

Hemodialysis Machine with microcontroller based Demo. Type Trainer Kit

This kit with Dialyzer, Blood Tank, Heater, Parasitic Pump (Blood Pump), Dialysate Pump. Standard adult Dialyzer.1000ML two Blood Tank, Heater 250W 500ML with control & indication, Parasitic Pump (Blood Pump) with standard pipe set with speed control. Dialysate Pump with flow control.

This is Demonstration type unit with all accessories. Dummy Blood & Dialysate. Microcontroller based system with LCD Display 16X2, Key Board Set, UP, Down, Enter. Indication High & Low Indication Temperature & Blood Pump. Detector Blood Leak & Air bubble. Temperature Controller 0 to 400C using PT100 sensor.

Study on Hemodialysis Machine

Study of Hemodialysis Machine, Study kidney, Study of Blood pump, Measure the Maximum & Minimum Speed of Blood Pump with & without load. Study Flow Dialysate & Blood Flow. Study of Detectors, Temperature Sensor PT100, How the process of removing waste products and excess fluid from the body. Etc

The Instrument with

Dialyzer, Blood Tank -2, Heater, Parasitic Pump (Blood Pump), Dialysate Pump, Detector Bubble & Blood, Display Board, Pt100 Sensor, Pipe set-6, Micro-control unit & etc.

Operating Manual with working of instrument, operating & installation procedure, Block diagrams, connection diagrams, Electrodes placement, Standard signals & actual output signal, Calculations, Tables, Trouble shooting , Experiments list.

Note: Specifications are subject to change.