The PLC based Oil & Water Separator (52346) gives an idea regarding the usage of Programmable Logic Controllers in an industrial environment.

Features

- CTurnkey system.
- Two line display on PLC unit for programming.
- Transparent acrylic tanks.
- Side mounted miniature level switches (9 no.) for level position Inputs to PLC unit.
- Solenoid valve & pump control from digital outputs on PLC.
- Ms Powder coated frame containing water tanks.
- I/P-O/P indication on front panel.
- Control panel for visual indication of process.
- Ladder diagram programming facility on PC.
- Front panel for display of digital output status.
- PLC with 12 DI, 8 DO Configurations & PC-

PLC communication cable, standard Program.
- Computerized control system trainer (optional).
- Caster wheel mounted movable frame.

Experiments

- Study of characteristics of Vane pump

Services Required

- Electric Supply of 1φ 230 VAC.
- Water Supply & Drainage Arrangement.

System Dimensions- Approximately 3 Ft. (L) X 1.5 Ft. (W) X 4 Ft. (H)
Weight: Approx. 50Kgs

Technical Specification

No.	Item Name	Technical Specifications
1	PLC	Siemens Logo / Equivalent Digital inputs- 12, Digital outputs- 8. PC interface facility, PC-PLC interfacing cable. Ladder Programming Software.
2	Oil Tank	2 Nos., Material: Transparent acrylic Dimension: Dimension 6 "X 6 "X 12"
3	Water Tank	2 Nos., Material: Transparent acrylic
4	Mixing Tank	Material: Transparent acrylic Dimension 8"X 8"X 10"
5	Centrifugal Pump	1φ 230V A, Vertical.
6	Level Switch	9 Nos., Float operated, Switching voltage: 24V DC
7	Indicating Lamp	24 VDC Operated.
8	Solenoid valve	4 Nos., 230V Single phase. ¼" size, Vertical mounting
9	**Necessary I/P- O/P simulating devices.**	
10	**PC interface facility: PC-PLC Cable.**	

Note: Specifications are subject to change.

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