

SAP E & C PLC BASED WATER LEVEL CONTROL MODULE
(PRODUCT CODE: PCST - 12)



The **PLC Based Water Level Control Module (PCST - 12)** gives an idea regarding the usage of Programmable Logic Controllers in an industrial environment; it considers an example of Level Control Process.

PLC BASED WATER LEVEL CONTROL MODULE

Technical Specification:-

No.	Item Name	Technical Specifications
1	PLC-	Siemens Logo / Equivalent Digital inputs- 8, Digital outputs- 4 Input / Output LED indication on front panel. PC interface facility, PC-PLC interfacing cable. (Optional)
2	LCD-	1.5 LCD Display and Keypad.
3	Actual Plant I/O-	Digital Inputs: 3 / Digital Outputs: 2
4	Level Tank-	Material: Transparent acrylic, Dimension: 150 (L) mm×150 (W) mm×400(H) mm
5	Sump Tank-	Material: Stainless Steel 1.5mm thick/P.P. 5mm thick Capacity: 30 Liters. Dimension: 1ft (L) ×1ft (W) ×1 ft (H).
6	Fractional HP Pump-	1φ 230V AC, Vertical, SS body.
7	Level Switch-	Float operated, Float Material: SS304 Switching voltage: 240 VAC\200 VDC Switching Current: 1.5A Switch Action: Reversible Weight: 150 gm

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8	Indicating Lamp-	24 VDC Operated
9	Solenoid valve-	1 ϕ 230V Single phase. ½" size, Vertical mounting.
10	Necessary I/P- O/P simulating devices.	

Features: -

- ❖ Turnkey system.
- ❖ Two line display on PLC unit for programming.
- ❖ Side mounted miniature level switches (3 no.) for water level position Inputs to PLC unit.
- ❖ Solenoid valve & pump control from digital outputs on PLC (2 no.)
- ❖ MS Powder coated tabletop frame containing water level module.
- ❖ Ladder diagram programming facility on PC.
- ❖ Electrical control panel for simulation of digital inputs.
- ❖ Front panel for display of digital input / output status.
- ❖ Computerized control system trainer (optional).
- ❖ Caster wheel mounted movable frame

Services Required:-

- ❖ Electric Supply 1 ϕ 230 V AC 50 Hz.
- ❖ Water Supply & Drainage Arrangement.

Note:

All descriptive matter and illustrations are intended to give only a general idea of the equipment Detailed specifications may be altered at the company's discretion without any notice.

Manufactured/Marketed By
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