

WQIP-15

Level Measuring Instrument Workstation



Tentative Image Subject to change

Specifications

DAQ: 1 no. (Data Acquisition System)

- ❖ 4 nos. Analog Input
- ❖ 2 nos. Analog Output
- ❖ 6 nos. Digital Input
- ❖ 4 nos. Digital Output
- ❖ 24 bit ADC Resolution
- ❖ 0 to 5V Two Unity Gain Amplifier
- ❖ Ethernet Interface
- ❖ RS485 Interface
- ❖ Data Logging

HMI: 1 no. (Human Machine Interface)

- ❖ +24V DC Supply
- ❖ CPU: 32-bits 400MHz RISC
- ❖ Storage: 128M FLASH + 64M DDRAM
- ❖ 7 inch Display size
- ❖ Resolution: 800×480 TFT LCD 65,536 colors
- v Interface: RS485
- ❖ Touch Screen: High precision four-wire resistive



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Type of Level Sensors

Volumetric Pressure Sensor: 1 no.

- ❖ Supply: 90 to 260V AC, 50 Hz
- ❖ Accuracy: ± 0.5 % of full scale
- ❖ Output: 4 to 20mA, 2 Wire System
- ❖ Probe Body: SS-304
- ❖ Rating: Rated at 6A, 230VAC for non inductive loads
- ❖ Housing: Single Channel wall mounting

Ultrasonic Sensor: 1 no.

- ❖ Supply: 5V DC
- ❖ Output: 0 to 5VDC
- ❖ Range: Upto 5.00M

Magnetic Float Sensor: 1 no.

- ❖ Supply: +24V DC
- ❖ Output: 4 to 20mA
- ❖ Sensing: Rod SS304
- ❖ Housing: Cast Aluminum weather proof
- ❖ Range: 0.5 Meter

Capacitances Sensor: 1 no.

- ❖ Housing Enclosure: Cast Aluminum weather proof
- ❖ Supply: +24V DC
- ❖ Measurement Span: 15 to 50000 pf above zero
- ❖ Response Time: 0.5s to 5 sec
- ❖ Accuracy: $\pm 1\%$ FSL
- ❖ Output: 4 to 20mA
- ❖ Range: 0.5 Meter
- ❖ User Interface: 4 Digit display with 4 keys and LED

Point to Point Sensor: 1 no.

- ❖ Supply: 5V DC
- ❖ Output: 0 or 5V DC
- ❖ Sensing: Rod Ss304

Digital Panel Meter: 2 nos.

- ❖ Display: 4 Digit, 7 segment digital display
- ❖ Keys: 3 for Digital Setting
- ❖ Input Type: Current
- ❖ Resolution: 1 or 0.1 degree
- ❖ Supply Voltage: 230V AC

Panel Component Description

- ❖ Push to On Switch: 4nos.
- ❖ Indicators: 4nos.
- ❖ Toggle Switch: 4nos.
- ❖ Contactor: 1no.
- ❖ Solenoid Valve: 1no.
- ❖ Pump: 1no.
- ❖ Sump Tank: 1 no.

Capacity: 100Litters

- ❖ Acrylic Measuring Tank: 1no.
- ❖ Capacity: 65Litters
- ❖ Manual Valve: 3nos.
- ❖ Castor Wheel: 4nos (2 with lock & 2 without lock)
- ❖ Size: 75mm
- ❖ Dimension in mm: H1735 x W1500 x D 740

Accessories

- ❖ 4mm Patch Cord 18": 8 nos. (Yellow)
- ❖ 4mm Patch Cord 18": 8 nos. (Blue)
- ❖ 4mm Patch Cord 25": 8 nos. (Red)
- ❖ 4mm Patch Cord 25": 8 nos. (Black)
- ❖ Ethernet Cable: 1 no.
- ❖ Flex chart of Equipment
- ❖ Manual Hard copy



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