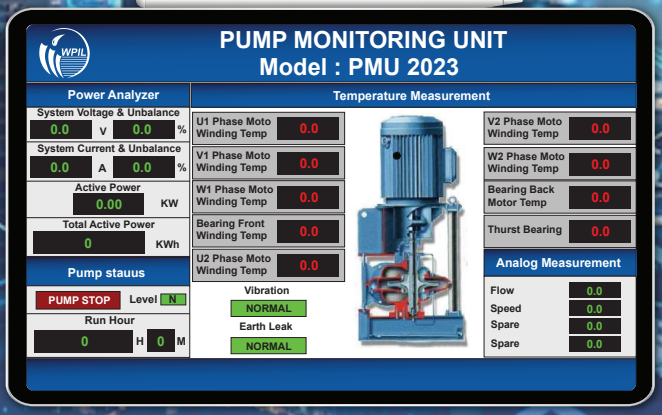
Model : PMU 2023

Excellent Solution for Pump Display and Diagnosis



PUMP MONITORING UNIT

Model : PMU 2023

PMU 2023

Power Analyzer



HMI

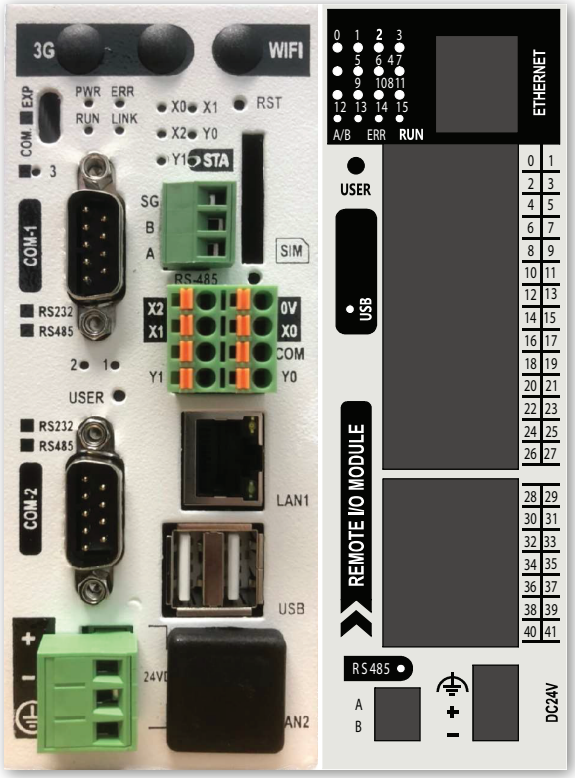


Data Logger



Internal Memory





Cloud Server



Analog & Digital Measurement



Access to browser page

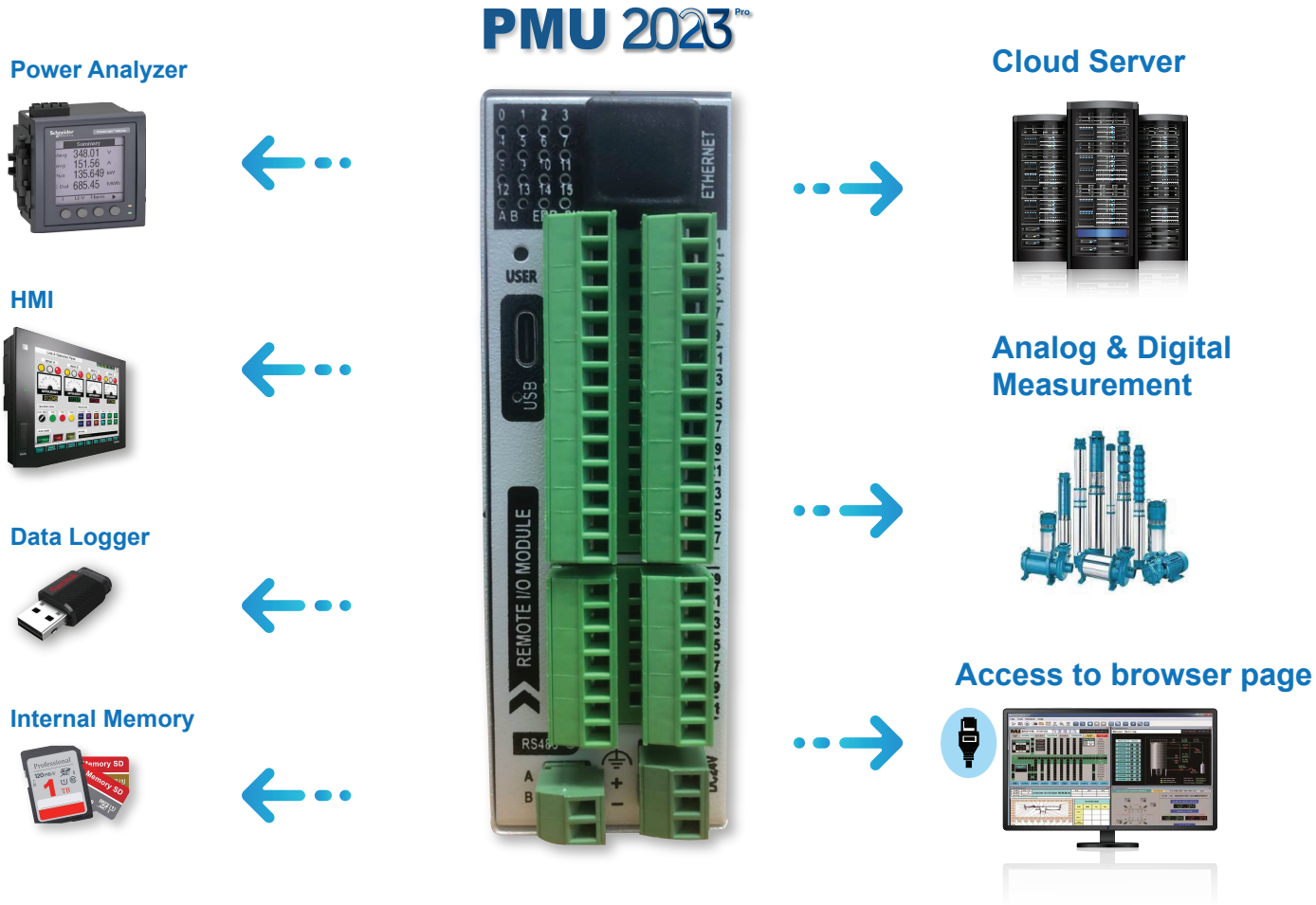


FEATURES OF PMU 2023

Support for up to 5 pump connections per station

- Pump protection & Monitoring unit
  - -Temperature measurement of main bearing
  - -Temperature measurement of motor winding
  - -Leakage in motor housing using float switch type leakage sensor
  - -Vibration sensor
  - -moisture sensor
- Power analyzer Display & Historical data
  - -Power
  - -Energy
  - -Power factor
  - -System current
  - -Current in three phases
  - -Current unbalance
  - -System voltage
  - -Voltage in the phases
  - -Voltage unbalance
  - -Start and running time
- Connection to all sensors
- Web config & Monitoring
- Support Cloud server
- Support All Sim card
- Support remote monitoring and Control unit
- Support Da ta logger with USB, SD card
- Level Measurement
- Flow meter
- Speed
- Grouhd / Earth checking
- Touch Screen & Panel
- Support GPS Tracking

Model : PMU 2023 Pro



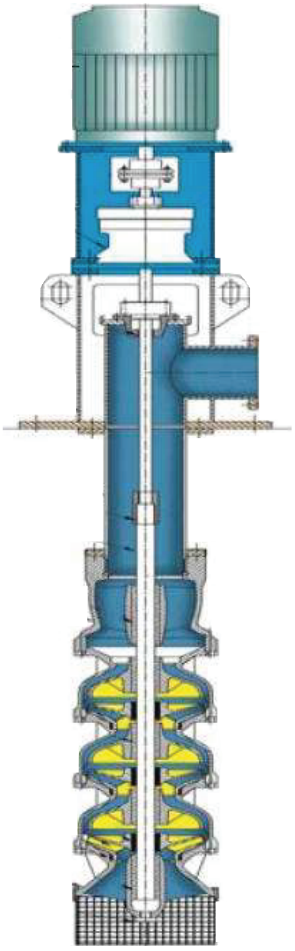
FEATURES OF PMU 2023 Pro

Support for up to 20 pump connections per station

- Pump protection & Monitoring unit
  - -Temperature measurement of main bearing
  - -Temperature measurement of motor winding
  - -Leakage in motor housing using float switch type leakage sensor
  - -Vibration sensor
  - -moisture sensor
- Power analyzer Display & Historical data
  - -Power
  - -Energy
  - -Power factor
  - -System current
  - -Current in three phases
  - -Current unbalance
  - -System voltage
  - -Voltage in the phases
  - -Voltage unbalance
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- Grouhd/Earth checking
- Touch Screen & Panel
- Support GPS Tracking

Model : PMU 2023

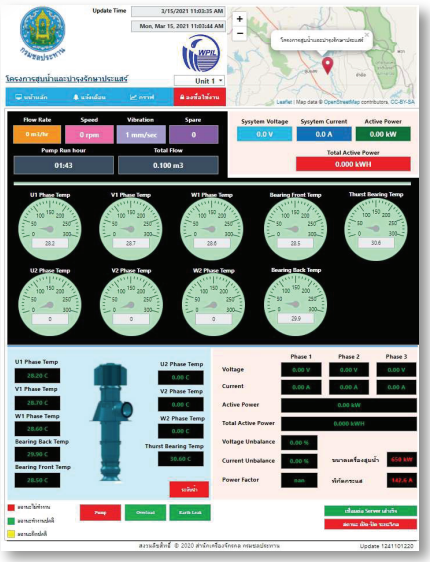
	SPECIFICATIONS
Power Supply	18 - 36 VDC Switching Power Supply 24V DC, 50mA (for sensor)
Display	7“ HMI Touch Screen Panel (IP65) with RS485 Modbus Protocal
Datalogging	more than 50,000 Record depending on memory.
Analog Input	RTD (Pt 100) Current (4-20mA,0-10V) ADC Resolution: 16 bit
Digital Input	Optocoupler 24V DC
Relay Contact	Relay 2A/250V AC
Communication	LAN & Wireless LAN, RS485 Modbus Protocal
Operating Condition	0-50 C (20°to 90% RH non-condensed)
Storage Condition	0-70 C (20°to 90% RH non-condensed)



Mobile WebApp

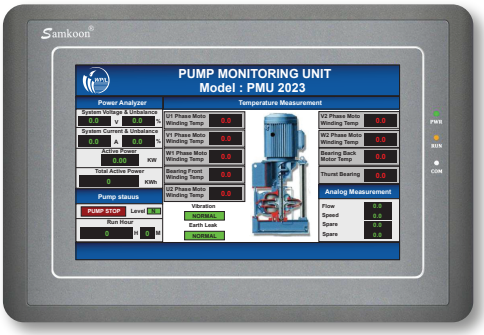


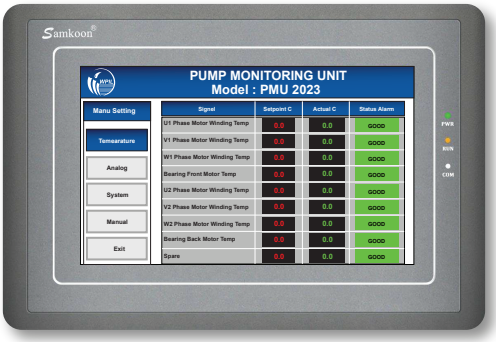
Web server remote control

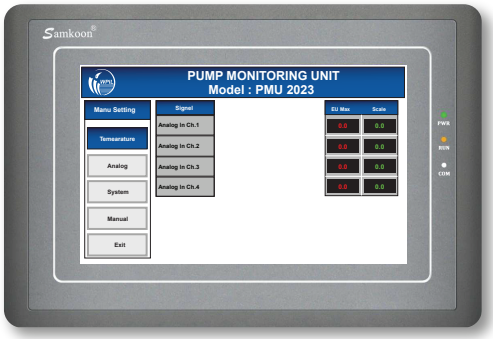


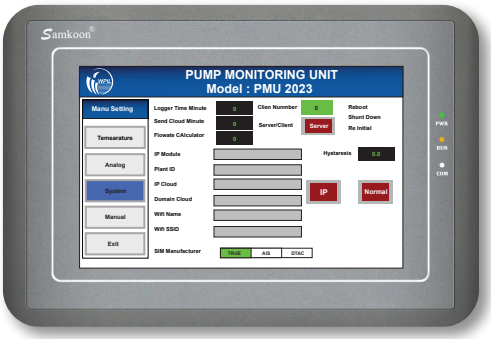
Model : PMU 2023

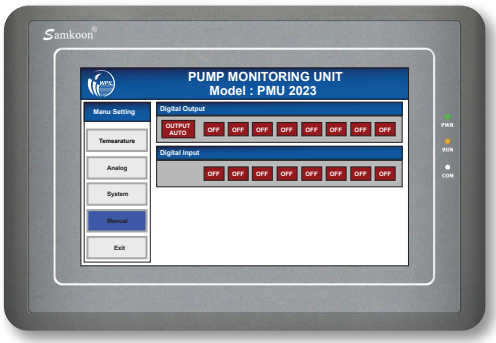
Function display

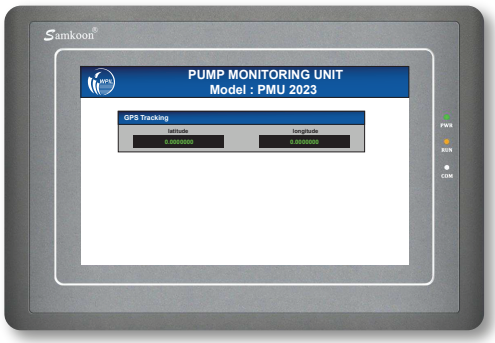


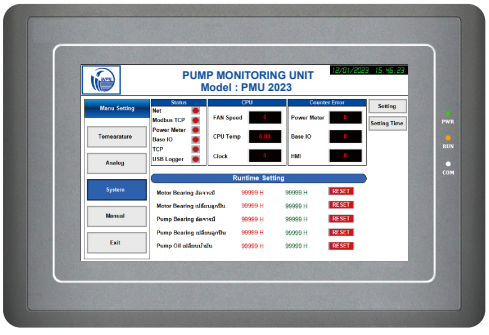












Model : PMU 2023

Collaborative Devices

- **Touch screen**



- **Digital Power Meter EasyLogic PM2200**



- **Insulation monitoring IR420**



- **Earth Leakage Relay DIN300**



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Model : PMU 2023

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