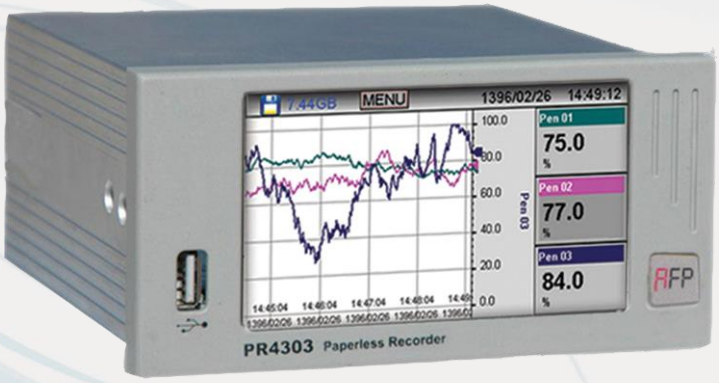
Smart PLC, Protection relay and Recorder

PR4303



- 4.3-inch colored touch screen
- Unlimited storage of input signal data
- Ability to review data and transfer to computer
- Ability to formulate complex equations for signal processing
- Ability to display data as: graph, digital, bar graph, etc.
- 8 isolated 24-bit universal input channels
- Capable of connecting all types of thermocouples, thermos resistors, mA, voltage, frequency and resistance
- 6 programmable output contact relays
- 2 programmable analog outputs with PID controller
- RS485 serial port with Modbus protocol
- Very accurate totalizer
- Designed in size 144mm * 72mm

Usages:

- Protection of electric motors, transformers, turbines…
- View, record and control industrial processes
- Fluid flow measurement
- Conductivity measurement of liquids
- Oxygen measurement using zirconium oxide sensor
- Linearization of nonlinear sensors
- Weight measurement with Load Cell sensor

Technical data

Calculations	**Mathematical formula defined by user**
Data Logging	**Measurement archives ; daily data logging structure with a very large database size**
Data Communication	**USB interface on the front panel for parameterization and servicing purposes serial interfaces (RS485)**
Serial Communication	**MODBUS ASCII/RTU**
Ethernet Communication	**MODBUS TCP**
Inputs	**Up to 6 universal signal inputs (TC , RTD, mA , Frequency) , full isolated , 24 bit ADC,10 sample/sec**
Outputs	**Up to 6 relais(3A-24VDC, 3A-120VAC) or SSR ,Analog output (0/4-20-mA,full isolated PID controller**
Display	**4.3 inch full-color wide screen display with 482*272 pixels with LED backlight Operation: touch screen display**
Hardware Architecture	**ARM CORTEX-M4 dual processor 32-bit at 120 MHz; 64MB RAM; min. 8GB flash memory**
Power Supply	**80 ~ 260VAC or 24V DC +/- 20%, power consumption up to 15 W**
Operating temperature range	**-20°C to +50°C**
Dimension	**144mm*72mm * 200mm, Panel mounted**

Modular hardware architecture
Enhanced data logging functionality
Digital/Bar graph/Trend display
High accuracy totalizer
RS485:MOD bus ASCII / RTU protocols
USB front panel interface
Configurable layout of user-defined displays
Low power consumption
No moving parts
Fast boot (1 second)