PR5618

AFP

Technical data

- 5.6- inch colored touchscreen
- Unlimited storage of input signal data
- Possibility to review data and transfer to computer
- The possibility of formulating complex equations for signal processing
- Possibility to display different data: graph, bar- graph, digital, …
- Up to 24 universal inputs
- Connection capability of thermocouple, thermos resistance, mA, voltage, frequency and resistance
- Up to 8 AC and DC digital inputs
- 2 to 10 programmable relay contact outputs
- 2 programmable analog outputs with PID controller option
- RS485 serial port with Modbus protocol
- Very accurate totalizer
- Designed in size 144mm* 144mm * 200mm

Usages

- Protection of electric motors, transformators, turbines, …
- Display, record and control industrial processes
- Flow fluid measurement
- Measuring conductivity of liquids
- Oxygen measurement by using Zirconium oxide
- Linearization of nonlinear sensors

Smart PLC, Protection Relay and Recorder

Technical data

Calculations	Mathematical formula defined by user
Data logging	Measurement archives; daily data logging structure with a very large database size
Data communication	1 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 24 universal signal inputs (TC, RTD, mA, V ,Frequency), Up to 8 digital inputs, full isolated, 16 bit ADC, 10 sample/sec
Outputs	From 2 to 10 relays (3A-24VDC, 3A-120VAC) or SSR, Analog output (0/4-20-mA,full isolated PID controller)
Display	5.6 inch full-color wide screen display with 640*480 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	AC 100 to 240 V +10/-15%, 50/60 Hz
Operating temperature range	-20°C to +50°C
Dimension	144mm*144mm * 200mm, Panel mounted

MAIN FEATURES

Modular hardware architecture

Enhanced data logging functionality

Digital/Bargraph/Trend display

High accuracy totalizer

RS485: MODBUS ASCII/ RTU protocols

USB front panel interface

Configurable layout of user-defined displays

Low power consumption

No moving parts

Fast boot (1 second)