PR3684
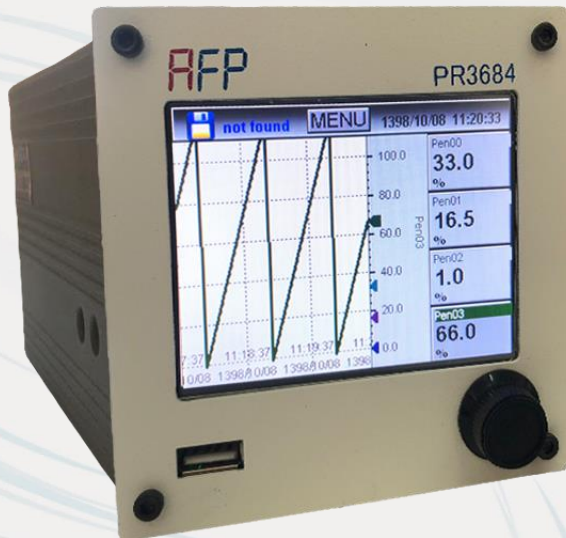

Technical Specifications

- 3.5-inches colored touch screen
- Unlimited storage of input signal data
- Ability to review data and transfer to computer
- Ability to write formulas and complex equations to process signals
- Ability to display various data: graph, digital, bar graph, etc.
- 4 universal input channels
- Ability to connect all types of thermocouples, thermos resistance, mill amperes, voltage, frequency and resistance
- 6 programmable output contact relays
- Up to 4 programmable analog outputs with PID controller capability
- RS485 serial port, RS232 with Modbus protocol
- Designed in size 96mm * 96mm

Applications

- Protection of electric motors, transformers, turbines
- Display, record and control industrial processes
- Very accurate totalizer
- Measurement of fluid flow
- Measurement of liquid conductivity
- Oxygen measurement using zirconium oxide sensor
- Linearization of nonlinear sensors
- Temperature and electrical protection of motors and etc.
- Protection and control of the condition of electric motors and etc.
- Digital ammeter and voltmeter

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	4 universal signal inputs (TC, RTD, mA, V ,Frequency)
Outputs	6 relays (3A-24VDC, 3A-120VAC) or SSR, max. 4 Analog output (0/4-20-mA,full isolated PID
Display	3.6 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	80 ~ 260VAC or 24V DC +/- 20%, power consumption up to 15 W
Operating temperature range	-20°C to +50°C
Dimension	96mm*96mm * 150mm, 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