Индикаторы STR551 PIXSYS. Техническое описание

96x48 Indicator - panel meter STR551

Visualization, alarm and signal re-transmission functions, programmable input, multi-voltage power supply, digital inputs, serial communication .

The indicator STR551 stands out in its market segment for the bright OLED display and the innovative multilingual interface as well for RFID/NFC connectivity. The analogue input can be configured by parameter for a wide range of temperature sensors and process signals in mA and Volts. The monochromatic OLED graphic display supports graphs showing process trend with programmable sampling times and bar graphs with alarm thresholds typically used for level, flow and dosage visualization.

The linearization of input can be customized up to 16 points as required on tanks with irregular profile. Mathematical functions linked to process value are also available, such as Totalizer and Sum. Connectivity is guaranteed by RS485 with Modbus RTU/Slave protocol.

For maximum flexibility of use, it is also possible to choose between horizontal or vertical installation of the same device.

Distinctive feature of the entire STR series is the innovative multilingual interface, with text menus allowing intuitive and quick navigation of parameters and display pages. It is possible to choose among five languages and the comprehensive menu considerably reduces the need to consult technical manual for initial set-up.

An additional programming tool is the dedicated App MyPixsys relying on RFID/NFC connectivity and allowing straightforward programming without wirings by Android devices.

User friendly, multimedia support and traceability

For the complete range of Pixsys products we provide technical support for installation, programming and operation via our online forum and via Skype.

The interface of the indicator STR551 ensures that the device is user-friendly and the operator is also supported by programming tools such as MEMORY-CARD or LABSOFTVIEW programming software.

Tutorial videos are available on our YouTube channel.

As for the entire range of PIXSYS products, traceability of the product is guaranteed during its entire life cycle by QR code; information and documentation online can be accessed reading QR CODE by mobile device with immediate visualization of product technical data and check of warranty status.

Ordering codes

STR551-12ABC-T128R

1 analogue input + 2 relays 2A + 1 Out 0..10V + 1 Out 0/4..20mA + RS485 Modbus RTU /Slave

Main features

Box

96x48 (Front panel) x 48 mm (1/8Din)

Power supply

24...230VAC/DC ±10% 50/60 Hz (galvanic isolation 2500V)

Consumption

6 VA

Display

OLed (monochromatic yellow)

Operating conditions

Temperature 0-45 °C, humidity 35..95 RH% (non condensing)

Material

Box: Polycarbonate V0

Weight

Approx. 165 g

Sealing

Front panel: IP54 (IP65 with gasket) - Box and Terminal blocks:IP20

Quick set-up options

Software LABSOFTVIEW and/or Memorycard

Wiring

extractable terminal blocks, spring lock

Inputs

1 Analogue

Res.16 bit, Selectable for TC type K, S, R, J, T, E, N, B (automatic compensation of the cold junction 0..50 °C, ± 0,2% F.S. ± 1 Digit F.S.), thermoresistances PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (β 3435K), process signals 0-10 V(54000 points), 0/4-20mA(40000 points), 0-60 mV (16000 points), Potentiometer 6 KΩ, 150 KΩ (50000 points) Customizable linear input (max 16 steps)

2 Digital

PNP inputs programmable for Run / Hold / Tare-Zero / Alarms reset/ Peaks reset/ Totalizer reset / Activate-Reset Sum / Parameters-Setpoint Lock

Sampling time

4,1 ms (Frequency from 4,12 Hz to 242 Hz)

Outputs

2 Relays

2A - 250VAC (resistive charge)

2 Analogue

1 output 0...10V (60000 points) - 1 output 0/4...20mA (60000 points)

1 Auxiliary

24 VDC - 30mA for external sensors supply (loop-powered)

Serial communication

RS485 Modbus RTU - Slave (1200...115200 Baud) galvanically isolated from Power supply/Inputs/Outputs

Software features

Alarms regulation

ON - OFF with hysteresis

Alarm mode

Absolute / Threshold, Band with instantaneous/delayed/retentive/by digital input activation, Sensor failure / Activation by serial line

Sum Function

Sum different process measurements over time By digital input or by keyboard

Totalizer Function

Visualisation of instant process value and total value since last reset

Trend visualization

Trend visualisation with selectable time basis 1 to 3600s

Analogue retransmission

Process values / Setpoints

Digital transmission via RS485

Process values / Setpoint / Parameters

Latch-on function

Semi-automatic setting of limits/ calibration values for analogue input

Text menus

English/Italian/German/French/Spanish

Measure unit visualization

Selection of different measuring units