

96x48 Indicator - panel meter **STR551**

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

Indicator **STR551** is designed to acquire and re-transmit process signals. 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 for level, flow and dosage visualization.



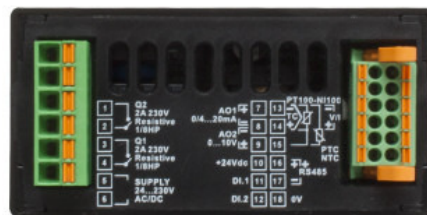
The linearization of input can be customized up to 16 points as required on tanks with irregular profile. Mathematical functions linked to process value are also available, such as Totalizer and Sum. Connectivity is guaranteed by RS485 with Modbus RTU/Slave protocol.



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

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.



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-T 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 $\pm 10\%$ 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, $\pm 0,2\%$ 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 K Ω , 150 K Ω (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)
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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

User Manual - Video - Application Notes - Datasheet

Installation

Size and Installation

