



STR550 Indicator - Panel meter

Indicator - Panel meter 96x48mm (1/8 DIN) with integrated Trend and BarGraph functions.

Front panel IP54, 4keys silicon membrane keyboard.

Monochromatic LCD display 128x64 (RGB backlighting, color selectable by parameter, programmable color changing at threshold reaching); Intuitive programming/operation interface with text menus in 5 languages. Installation both on horizontal (96x48) or vertical (48x96) panel cutouts, visualization of process variables, trend and BarGraph may be programmed accordingly by parameter. This device is equipped with universal analogue input (RTD/TC/standard linear inputs) for the acquisition of process signals also with fast transient (conversion frequency up to 242Hz/4,2 ms).

As the largest part of Pixsys instrumentation, STR550 integrates in a single ordering code all the most requested hardware solutions: 2 relays programmable for different alarm modes, 2 analogue outputs (0...10Volt and 0/4...20mA) for fast and accurate retransmission of process/setpoint values, 1 Modbus RTU Slave serial port for interface with PLC/HMI/PC, 2 configurable digital inputs, useful built-in power supply 24Vdc/30mA for loop-powered external sensors. Software features includes storing of max. peak/min. peak/peak-to-peak values, "Totalizer" function typical for flow control and "Sum" function for weighing systems. For configuration and parameters setting, in addition to standard Pixsys tools (Memory Card and Labsoftview software), a wireless Rfid (NFC) channel is provided and can be used with the new Pixsys RF-Programmer device for fast and straight-forward programming.

Extended power supply range 24...230 Vac/Vdc. Short depth (only 48mm) for optimal installation within control cabinets.



Process trend visualisation



Alarms management with programmable backlighting

Ordering codes



Multi-language text menu



Horizontal/vertical mounting selectable by parameter



Vertical bargraph



Horizontal bargraph

STR550-12ABC-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 / or 1/8Din
Power supply	24...230Vac/dc $\pm 10\%$ 50/60 Hz (galvanically isolated)
Consumption	6 W
Operating conditions	Temperature 0-45 °C, humidity 35..95 uR%
Material	Box: Polycarbonate V0
Weight	Approx. 165 g
Sealing	IP54 (Front panel) with gasket - IP20 (Box and Terminal blocks)
Quick set-up options	Software LABSOFTVIEW and/or Memorycard
Wiring	extractable terminal blocks and spring locking

Inputs

1 Analogue (16 bit)	Selectable for TC type K, S, R, J, T, E, N, B (automatic compensation of the cold junction 0...50 °C), thermoresistances PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (B 3435K), process signals 0-10 V(54000 points), 0/4-20mA(40000 points),
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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 rearmament / Peaks reset/ Totalizer reset / Activate-Reset Sum / Parameters-Setpoints Lock

Outputs

2 Relays	Contacts 2A - 250Volt AC (resistive charge)
2 analogue outputs	1 output 0...10Volt (60000 points) - 1 output 0/4...20mA (60000 points)
1 Auxiliary output	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

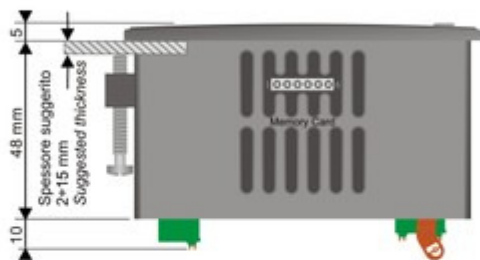
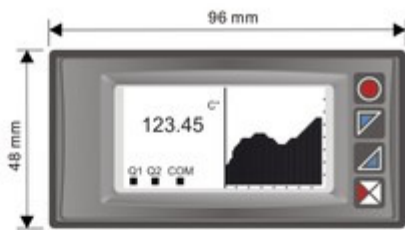
Software features

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	By digital input or by keyboard it is possible to sum different process measurements over time
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/Deutsch/French/Spanish
Data logging function	Selectable time basis 1s to 3600s, tot. memory 2,5K Word

Size and Installation

_last update 18/07/2013

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Dima di foratura
45 x 91 mm
Frontal panel cut-out

