

Modbus Remote Display

96x48 STR571

Variables reading/writing, Modbus RTU/Master, digital inputs, alarms management, multi-voltage power supply.

While maintaining the same parametric configuration mode as the other Pixsys STR indicators, the STR571 model is a **highly flexible interface and display for sensors, I/O modules, signal converters** and generally for Modbus devices.

This indicator allows reading/writing of **up to eight variables** on Modbus slave devices, with numeric or text representation of the variables. It is possible to set the description and the measuring units with text or alphanumerical characters for each variable and also to rescale data on display.

The number of variables shown per page can be set from 1 to 4, with auto-rescaling of the character sizes and of the consequent number of pages.

Digital inputs allow the connection of a rotative encoder that further simplifies navigation of the data displayed and the parameters, or connection to panel buttons with programmable functions. In addition to the galvanically isolated **master serial port** with Modbus RTU/ASCII protocol, a second slave serial port enables polling from another Master device.

Distinctive feature of the entire STR series is the innovative **multilingual interface**, with text menus allowing intuitive and quick navigation of parameters and visualization pages.

The text menus are available in five languages and considerably reduce the need to consult technical manuals for initial set-up.



User friendly, multimedia support and traceability

For the entire range of Pixsys products we provide [technical support](#) for installation, programming and operation via our [online forum](#) and via Skype.

The interface of the STR571 indicator ensures that the product is **user-friendly** and the operator is also supported by programming tools such as MEMORY-CARD or by the APP MyPixsys (Android devices).

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 code

STR571-1ABC-T128R

1 RS485 Modbus master + 1 RS485 Modbus slave + 2 Relè 2A

Main features

Box	96x48 (front panel) x 48 mm / or (1/8Din)
Power supply	24...230V AC/DC $\pm 10\%$ 50/60 Hz (galvanical isolation) 2500V
Power consumption	6 VA
Operating conditions	Temperature 0-45 °C, humidity 35..95 RH% (non condensing)
Material	Box: polycarbonate V0
Sealing	Front panel:IP54 (IP65 with gasket) - Box and terminal blocks:IP20
Weight	Approx. 165 g
Wiring	Extractable terminal blocks and spring locking
Quick set-up options	Memory Card microUSB, MyPixsys App (Andorid devices)
Display	OLed (monochromatic yellow)

Inputs

3 Digital	2 digital PNP/NPN inputs programmable to enable outputs, reset alarms, configuration lock, increase/decrease value, front panel encoder for input data. 1 PNP input programmable to select values
1 Potentiometer	1 potentiometer input (min 1K Ω , 4096 points) to set variable value

Outputs

2 relays	Contacts 2A - 250 VAC (resistive charge)
1 Auxiliary	24 VDC / 30mA for external sensors supply

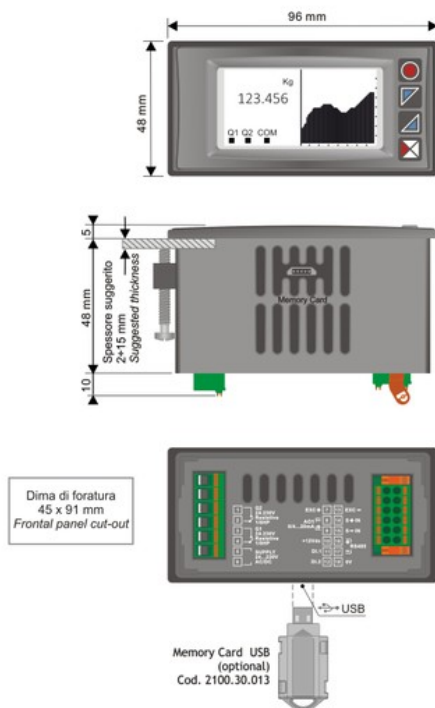
Communication

2 Serial	1 RS485 Modbus RTU/Ascii master / multimaster galvanically isolated to communicate with slave devices, 1 RS485 Modbus RTU Slave.
1 USB	1 USB Virtual COM port for configuration and firmware upgrade

Software Features

8 Variables	Up to 8 variable data management, programmable visualization from 1 to 4 variables each page, editable text description field for each variable (max 16 characters), editable measure unit for each variable (max 5 characters), 1, 16, or 32 bit data format, mnemonics text visualization (value from 0 to 4), different type of processing visualized data (offset, gain, limits, rescale).
2 Alarms	ON-OFF with hysteresis
Alarm mode	Absolute / threshold, band with instantaneous / delayed / retentive / by digital input activation, activation by serial line
Multimaster	Connect up to 16 master devices on the same serial line
Interface	text menus (English/ Italian/ German/ French/ Spanish)
Option	Optional front panel encoder to facilitate input of data

Installation



Size and installation