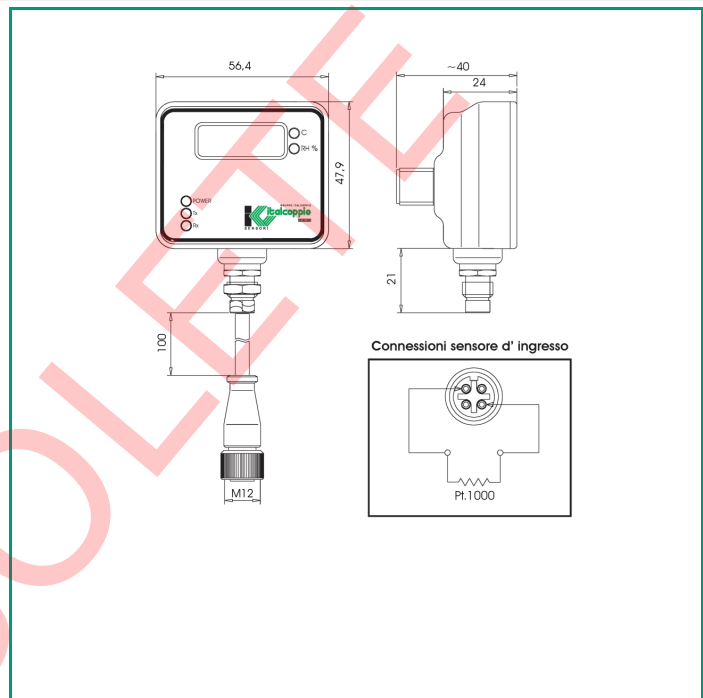


TEMPERATURE SENSOR WITH RS-485 SERIAL OUTPUT (MODBUS RTU)

Programmable Parameter

By a single cable, it is possible made a sensors network and interfacing them directly to a PLC or a PC equipped with a supervisory software (SCADA).
The connection between the devices is realized with M12 connectors for rapid installation without errors and with degree of protection IP67. The temperature sensor is disconnectable from the device.



TECHNICAL SPECIFICATION

Supply voltage	12 ±30 Vdc (polarity protected)
Accuracy	refer to the specific graphs
Power consumption	0,25 W (without display) 0,5 W (with display)
Communication protocol	Modbus RTU (max. baud rate 38.400)
Serial interface	RS-485 (not insulated)
Input/Output insulation	None
Indicator LED	1 green led for the power supply 1 red led for the serial communication Tx 1 red led for the serial communication Rx
Range configurations	modifiable using the special EVOSER SET configuration kit (a PC with Windows operating system is required)
PCB operating temperature	-40 ÷65 °C
EMC	According to EN 61326-1:2013
Probe connection	through a M12-5 pole male connector
Connector	2 male M12 x 5 connectors in accordance with IEC 61076-2-101 STANDARDS

TECHNICAL SPECIFICATION

Maximum connection distance	1200 meters, this distance depends on the power supply voltage and the type of cable used to connect the various devices
Maximum devices on network	maximum 32 (over is required to add a serial repeater)
Material body	Grey thermoplastic
International protection marking (*) (*) According to IEC 60529	IP65/67
Main device design parameters	Temperature °C Maximum and minimum temperature peak measured Temperature offset for measurement correction Serial communication and power-on watch-dog
Option	4 digit display Wall mounting bracket connection cable with M12 connector
Note	available with integrated sensor version (EVOSER-TI)

OBSOLETE