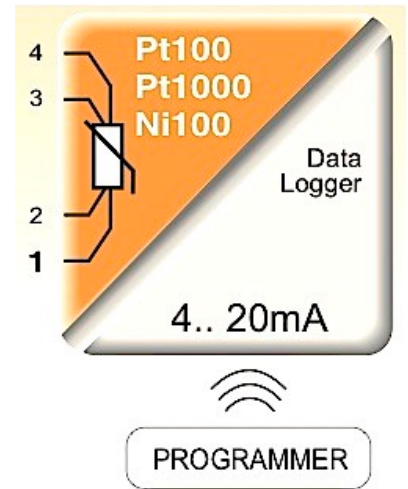


TEMPERATURE TRANSMITTER 4/20MA

PASSIVE HT-RTD

- Transmitter with 4-20 mA 2-wire (PASSIVE) for Pt100, Pt1000 Ni100 sensors and wireless 2-3-4 for temperature measurement in industrial environments, with excellent EMC characteristics.
- Allows remote transmission temperature , with safety and interference immunity .
- The output is linearized with temperature, with a high load capacity loop that allows a wide range from 6V to 30V supply (protected against polarity reversal) .
- It has an intelligent adaptive filter to stabilize the signal.
- Its small size , encapsulated and sealed with resin format provides high electric strength, mechanical and environmental .
- Allows a quick and easy configuration via PC through wireless communication module based programming with USB (promptly via smartphone) . Is not necessary to connect any cable and avoid to waste time and made mistakes with wrong connections.
- It has an internal data logger that records temperature continuously for subsequent dump to your computer.
- **High accuracy by the A / D 16bit (< 0.1 ° C).**



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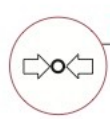


 **HIGH CAPACITY**
load 900Ω at 24VDC.
Allows a large number of receivers.

 **HIGH PRECISION**
0,1°C
16bits
Allows up to tenths of a degree.
Example 52.7 ° C.
2-3-4 probe strands.
(4-wire high precision).



 **FLOATING CLAMPS**
Includes spring-loaded screws.
Facilitates the incorporation
to DINB heads.

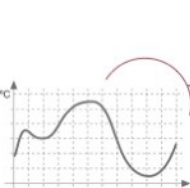
 **ERROR CORRECTION**
digitally sensor.
Calibration gain x
offset +/-

*Transmitter 4/20mA Passive
RTD (Pt100, Pt1000, Ni100)*



 **PROTECTED**
Fully encapsulated in epoxy resin.
Harsh, hostile environments.
Tropicalized.
Work's temperature -40/+85°C

 **WIDE RANGE**
supply 6.. 30V.
Low power consumption.

 **DATA LOGGER**
Incorporates recording temperature / time.
Review of events, failures, ..
Wireless download to Pc.

 **WIRELESS PROGRAMMING**
Quick and easy configuration via PC.
No connections. Without calibrators.
(promptly via smartphone).

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High accuracy by the A / D 16bit (< 0.1 ° C).

TECHNICAL CHARACTERISTICS:

INPUT	Maximum cable resistance 20Ω/per wire			
	Connection method 2-3-4 wires			
	Linearization BS EN 60751 (IEC751)			
	TYPES OF SENSOR	Pt 100	Pt 1000	Ni 100
	Measuring range	-200/+800°C	-200/+800°C	-50/+170°C
	Resistance range	18,5/378Ω	69/223Ω	185/3780Ω
Technical connection		2, 3, 4 wires	2 wires	2, 3, 4 wires

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Self-powered	by loop
Supply voltage	6.. 32VDC
Protected against polarity reversal	

POWER SUPPLY



PRECISION

Maximum transmission error	0,1% F.S.
EMI	<0,5%
Temperature coefficient	<100ppm
Overall maximum error	0,1°C



Programmable time between samples	1.. 3.600seg
Capacity	4K (4.000 valores). Non-volatile memory.
Circular Buffer. Old values are overwritten.	
Wireless download registration on Pc.	
Display / print, zoom and guide lines graphic temperature / time.	

incorporated

DATA LOGGER

Low Voltage Directive (LVD). Directive 2006/95/CE	
Electromagnetic compatibility. Directive 2004/108/CE	
CE	Emitted interference EN 61000-6-4
	Immunity to interference EN 61000-6-2
	Separate collection of electrical appliances. Directive 2002/96/CE

RoHS
Compliant

STANDARDS

Temperature-linear	4/20mA Passive
	or reverse 20/4mA Passive
Output's resolution (mA)	1µA
Rated load	900Ω@ 24VDC - 20mA
	1200Ω@ 30VDC - 20mA
Sensor break detection	HIGHSCALE 21,5mA
	LOWSCALE 3,8mA
Sensor error correction (gain and zero)	digital
Correction factor resolution	0,1°C
Sampling time	300mseg
Response time 10.. 90%	600mseg
Rejection's frequency	50-60Hz
Intelligent filter	Adaptative

OUTPUT



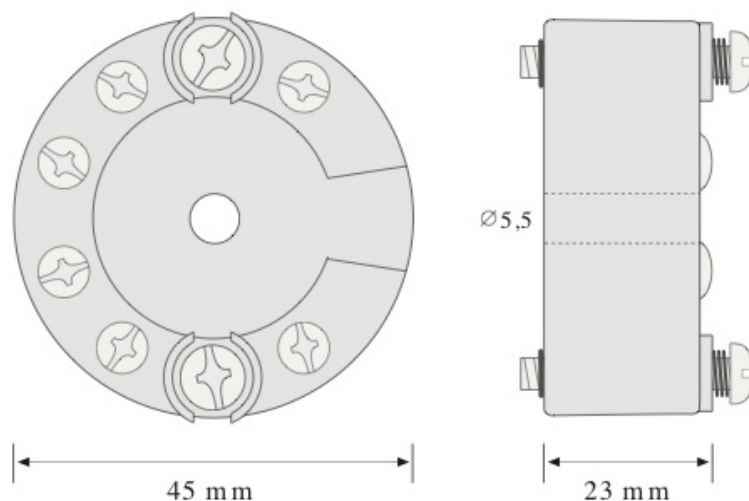
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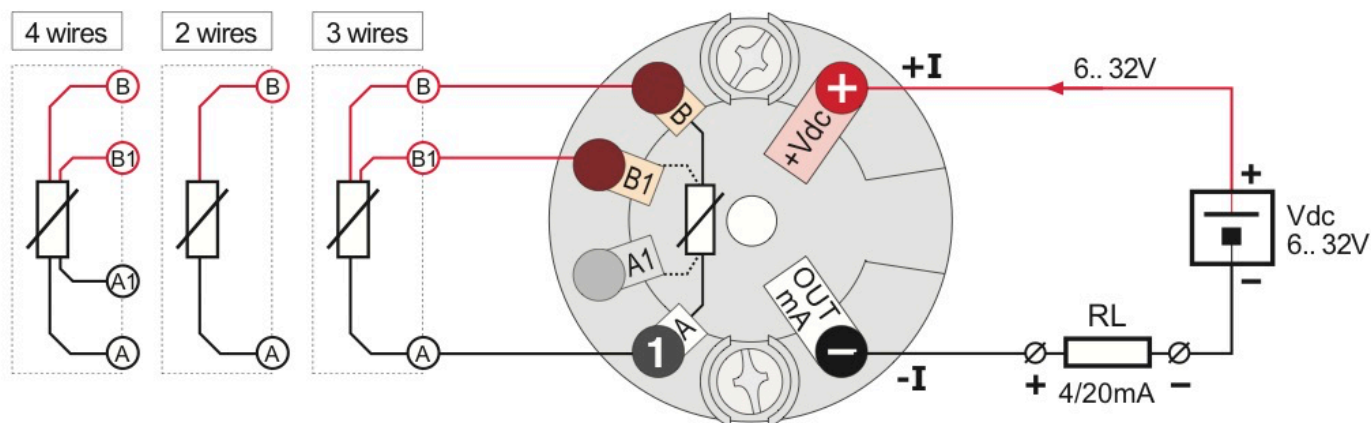
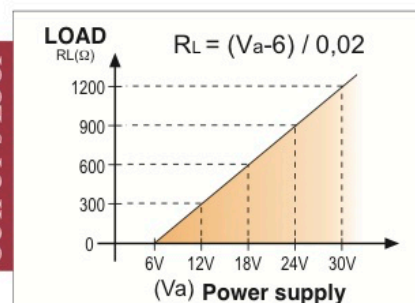
FORMAT

Mounting on	DIN/B Head
Fastening with	2 screws floating dock
Dimensions	Ø 45 x h 23
Protection	IP55
Protected with	waterproof silicone epoxy
Electrical connection	screw terminal
Maximum conductor section	1 mm ²
Peeled length	8mm
Box material	Nylon (PA66)
Weight	30gr.



RTD

CONNECTIONS 2-3-4 WIRES

CAPACITY
OUTPUT'S LOOP

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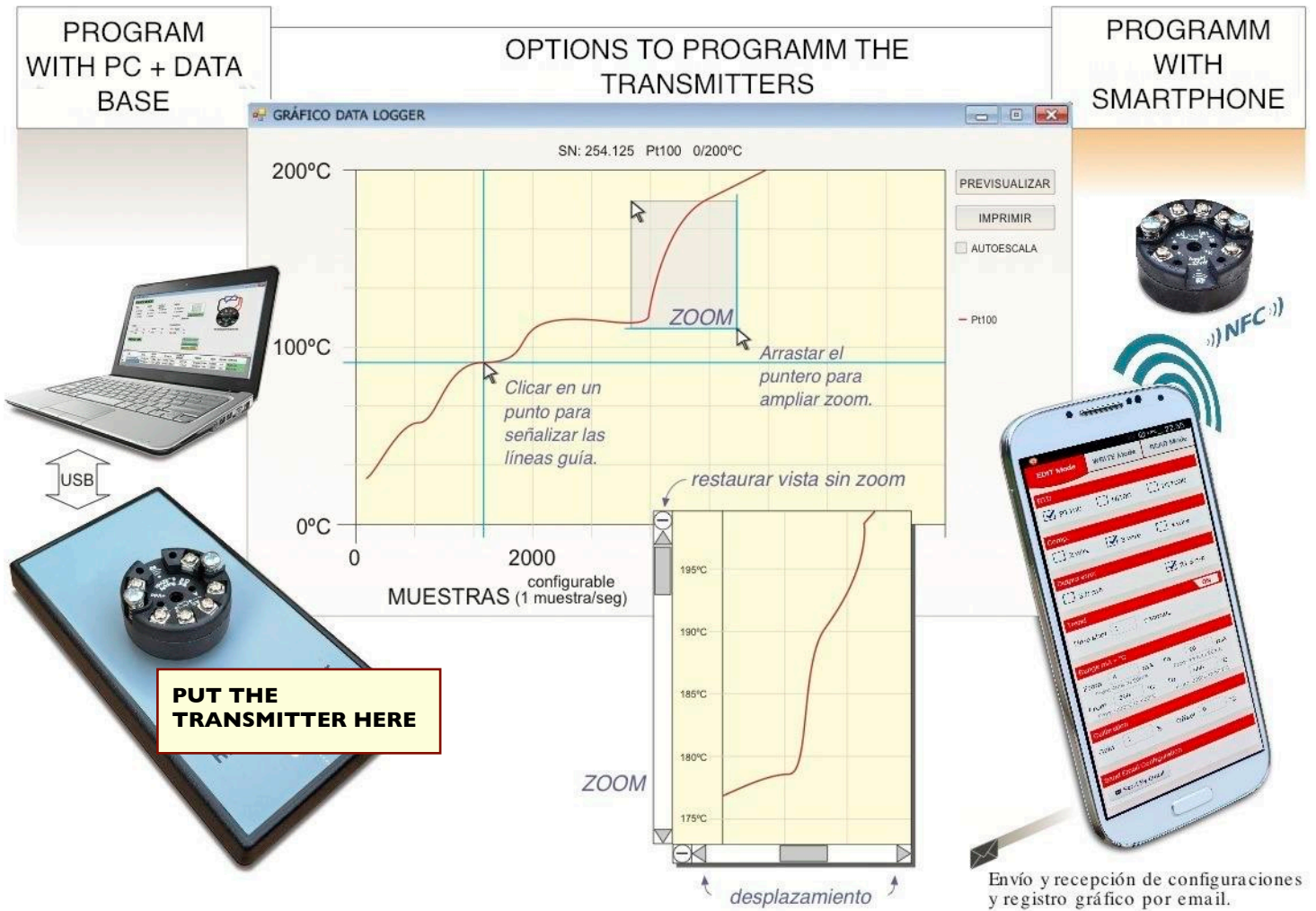
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The transmitters can be configured in two ways:

a) With a data base RFID + PC program

b) With an Smartphone with NFC system and a concrete program (Only for Android)

Of this way you can configured the transmitter in the office or if you need in field of working.

REALLY EASY AND FLEXIBLE TO CONFIGURE

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