2000.35.010
2000.35.015
Signal Converter RTD / TC to 4...20mA

The Signal converter for DIN/B converts signals PT100/ PT1000/ NI100 (2 /3 or 4 wires connection) or Thermocouples into a current signal for 4..20mA loop (2 wires). Main features are: high accuracy, 16 bit conversion and possibility to rescale the output 4..20mA compared to temperature input value.

It can be programmed by RFid (NFC) technology integrating an RF programmer which allows quick settings without galvanic insulation problems.

4K Word of non volatile memory (circular buffer) are reserved for the data-logging with sampling time selectable by the user. RF_Programmer software (which can be downloaded on the reserved area) allows to download on PC the logged data and to visualize/print the temperature - time trend.

A free App for Android devices is available for download at Google Play Store, allowing to program the converter , to read logged data and to visualize them as graph.

Programming tool RFid (NFC) with RF programmer

www.AlltronicsPerú.com

Ordering codes

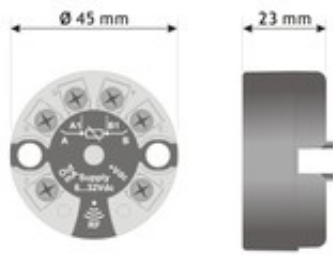|	
2000.35.010	RTD (PT100/NI100/PT1000) > 4...20mA Loop Powered
2000.35.015	RTD (PT100/NI100) + TC (K-S-R-J-T-N-B-E)> 4...20mA Loop Powered
2000.35.012	Programmer RF/RFID > USB

Main features

Box	23 mm, Ø 45 mm
Power supply	Loop Power (2 wires connection) operating range 6-32 Vdc
Connection	Screw pins
Fixing	On DIN/B head
Operating conditions	Temperature -40+85 °C, humidity 30..90 uR%
Material	Nylon (PA66)
Weight	Approx. 30 g
Sealing	IP 20
According to	CE, EN 61000-6-4, EN 61000-6-2
Programming	Wireless with RFid technology (NFC)

Technical data

Output resolution	1 µA
Over-range output	f.s. + 5°C
Under-range output	f.s. - 5°C
Error output	Selectable between 21,5mA or 3,8mA
Current output protection	Approx. 30 mA
Rejection	50-60 Hz
Max. transmission error	Greater between 0,1% f.s. or 0,2°C
Sampling/response time	300msec / 600 msec
Cable resistance	Max 20Ω
Temperature coefficient	< 100 ppm

Size

---

www.AlltronicsPerú.com