Datasheet

Transmitter temperature

970PRO



Part number : 970PRO

Product Description : Head mounted temperature transmitter 4-20mA

Product Detail : 970PRO is a head mounted temperature transmitter with universal input (Thermocouples J, K, T, E, N, R, S, B and Pt100, Pt1000 and NTC RTD with programmable working range. USB micro-B port allows direct PC or smartphone connection for configuration

SPECIFICATIONS

Attribut	Value
Input type :	Universal
Output type :	4 → 20 mA
Power supply :	12 → 35 Vdc

Transmitter

USB - programmable 4-20 mA - Pt100 / Thermocouple



USB CONNECTION

Uninsulated Version

970 PRO

Terminal head mounting
Montage tête de sonde
Input : Pt100 & TC

ANDROID APP ON Google play

970PRO is a 4-20 mA 2-wire head-mounted temperature transmitter powered by the current loop. The output current represents the signal applied to the input of the linearized transmitter according to the configured input type.

Mounting :	terminal head type B
Inputs :	Thermocouple types J, K, R, S, T, N et E, following norm 60584 IEC (ITS-90) Pt100 3 wires, alpha = 0,00385, following norm 60751 IEC (ITS-90) For 2-wire sensors, tie terminals 3 and 4 together. Pt1000 3 fils, alpha = 0,00385, sfollowing norm 60751 IEC (ITS-90) For 2-wire sensors, tie terminals 3 and 4 together. NTC R25 ° C : 10 kohms ± 1%, B25/85 = 3435.
Configuring :	by software or Android app
Output :	4-20 mA or 20-4 mA current, 2-wired; linear in relation to the temperature measurement by the selected sensor
Voltage :	to 50 mVdc. Impedance >> 1 MΩ
Accuracy :	Pt100 / Pt1000 0.08% (mini 0.12%) mV Tc 0.1% (mini 0.15%) CTN 0.3°C (mini 0.7°C)
Cold junction compensation for thermocouples : <±1°C	
Offset :	setting by software
Power supply :	12/35Vdc
Working temperature:	-40 to +85 °C
Internal protection against polarity inversion.	
Dimensions :	43.5 mm x 20.5 mm

Description	***References***
Transmitter	**970PRO**
USB cable connection for configuring	**CABLE LPRO USB 0.5**

Note : here, transmitter configuring with Android App





