

Temperature and Pressure sensors G1/4" mounting with BeanDevice® AN-420

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# **BeanAir** Temperature Sensor specifications and Design



#### The temperature sensor is configured 4-20 mA 3-wires:

PIN1 – Sensor powerPIN2 - GroundPin3 – sensor signal output

In this example we are using a temperature sensor with a range of -20 °C to 120 °C

## **BeanAir** Pressure Sensor specifications and Design



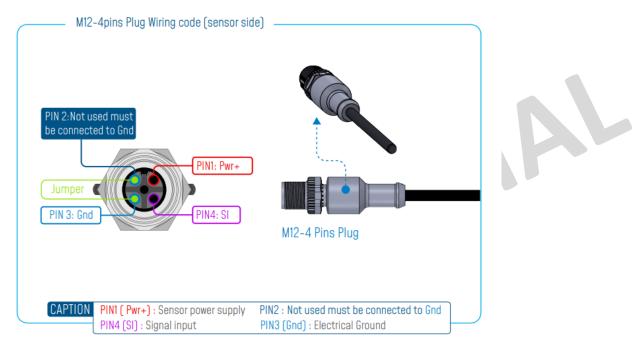
### The temperature sensor is configured 4-20 mA - 2-wires:

PIN1 – +Ub is the Sensor power Pin2 – GND corresponds to the Sensor Loop Return

In this example we are using a temperature sensor with a range of 0 to 25 bar



Sensor Wiring code



### 4-20 mA /3-wires /Wiring Code

PIN1 (Pwr+): Sensor power supply PIN4 (Sens+): Sensor input for sensor PIN2 : Must be connected to the ground PIN3 (Gnd): Electrical Ground

### 4-20 mA /2-wires /Wiring Code

PIN1 (Pwr+): Sensor power supply PIN4 (Sens+): Sensor input for sensor PIN2 : Must be connected to the ground PIN3 (Gnd): Electrical Ground ( not connected to sensor)

### **BeanAir** Sensor configuration from BeanScape® software

BeanDevice system profile			
Identity	Network Diagnostic	System	Sensor Voltage is
Mac Id: 00158D00000E14D2	Network quality:	Diagnostic cycle: 00:00:50 hh:mm:ss	displayed here
Site ID: MAC_ID : 0 x 00158D00000EI4	PER: 0.00 %	Listening cycle: 00:00:01 hh:mm:ss	
Pan Id: 02B5	Power Supply Diagnostic	Sensor Info	
Net Id: 0009	Diag. Date: 5/8/2023 10:47:58 PM	Sensor Voltage: 14.000 V	
Platform: AN 4-20 mA	Internal Temp.: 26.000 °C	Wake up duration: 40 ms	
Version	Power supply: Bat		
Hard. vers. VIR8	Power mode: Bat Saver Disabled		
Soft. vers. V7R10	Battery Voltage: 3.933		
	Battery level: Good		
Batalogger   Batalogger Status: Ready Memory pation: "Stop at end" recording Memory used: % The sensor can be powered			
BeanDevice Remote Config. Status between 12-34VDC for			
Pending Sent Deleted	Datalogger System conf		Temperature and 12-30VDC
Current data acq. mode	Custom display Notes	Data Acq. config. DAQ Config	for pressure sensor .
DAQ Status : Stopped	External sensor configuration		You can for example
Data Acq. mode: NA	Excitation voltage (Volts)	14 Validate	configure a Voltage of
	hh:mm:ss	14VDC.	
Sampling rate : NA	Hz Warm up time (ms)	Validate	
Data Acq. duration : NA ddd,	hh:mm:ss		
Tx Log			

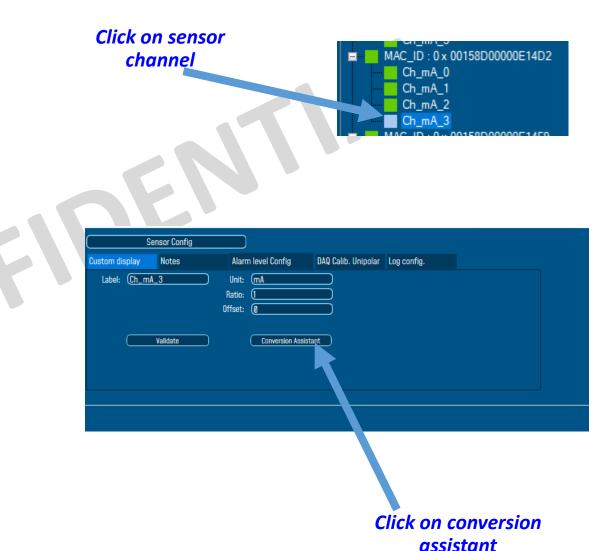
### **BeanAir** Sensor configuration from BeanScape® For Pressure sensor

#### *For Pressure sense* 4mA => 0 Bar 20mA => 25 Bar



#### For Temperaure sensor 4mA => -20 degC 20mA => 120 degC







### **Check your settings**

