sens4pro Sensors Store by TEXYS

PTH-CAN

Pressure, Temperature & Humidity sensor
CAN bus interface

Air Temperature			
Range		-20 to +105	°C
Accuracy		±0.2	°C
Resolution		0.1	°C/Bit
Sampling frequency		100	Hz
Output frequency		1, 2, 5, 10, 20, 100	Hz
Absolute pressure			
Available ranges		0.2 to 2.5	Bar A
		0.2 to 5.5	
Accuracy	2.5 Bar range	± 2	mBar
	5.5 Bar range	± 8	
Resolution		0.1	mBar/Bit
Sampling frequency		100	Hz
Output frequency		1, 2, 5, 10, 20, 100	Hz
Proof pressure		10	Bar A
Calibrator		Mensor CPC4000	
Relative humidity			
Range		0 to 100	%RH
Accuracy		±1.5	%RH
Resolution		0.1	%RH/Bit
Sampling frequency		100	Hz
Output frequency		1, 2, 5, 10, 20, 100	Hz

µC temperature		
Range	-20 to +105	°C
Accuracy	±2	°C
Resolution	1	°C
Sampling frequency	1	Hz
Output frequency	1, 2, 5, 10, 20, 100	Hz
CAN bus features		
CAN type	2.0A or 2.0B	
Baud rate	250k to 1Mbps	
Electrical features		
Supply Voltage	6 to 30	V
Protection	Reverse polarity protection	
Typical Supply Current at 12V	20	mA
Mechanical features		
Dimension	See drawing	
Material	Aluminum and stainless steel	
Weight	30	g
Environment		
Box protection	IP64	
Vibration test	20Gpp5'	
Shock	500	G
Operating Temp	-20 to +105	°C
Storage Temp	-40 to +125	°C

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Ordering information

Ordering ref:

PTH-CAN – *Pressure range* – *R120*

2.5: 0.2…2.5 BarA range
5.5: 0.2…5.5 BarA range

Optional 120Ω termination resistor

ex: PTH-CAN -2.5-R120

Mechanical drawing