texense sensors by TEXYS

PTH-CAN

Pressure, Temperature & Humidity sensor
CAN bus interface

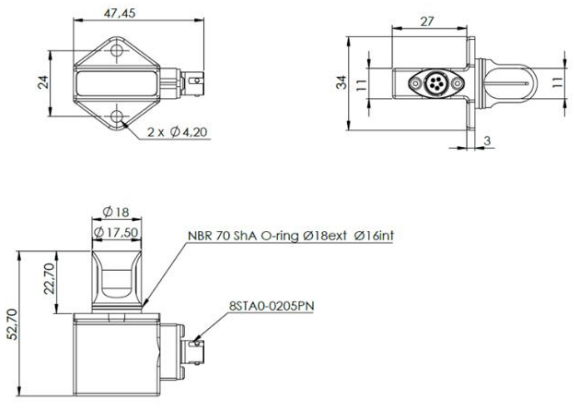
Air Temperature			
Range		-20 to +105	°C
Accuracy		±0.2	°C
Resolution		0.1	°C/Bit
Sampling frequency		100	Hz
Output frequency		1, 2, 5, 10, 20, 100	Hz
Absolute pressure			
Ranges	1.2 BarA	0.2 to 1.2	BarA
	2.5 BarA	0.2 to 2.5	
	4 BarA	0.2 to 4	
Accuracy	1.2 BarA	± 2	mBar
	2.5 BarA	± 2	
	4 BarA	±3	
Resolution		0.1	mBarA/Bit
Sampling frequency		100	Hz
Output frequency		1, 2, 5, 10, 20, 100	Hz
Proof pressure		10	BarA
Calibrator		Mensor CPC4000	

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
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

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		
Dimensions	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.

Mechanical drawing



Ordering information

Ordering ref:

PTH-CAN – *Pressure range* – *R120*

1.2: 0.2…1.2 Bar A range
2.5: 0.2…2.5 Bar A range
4: 0.2…..4 Bar A range

Optional 120Ω termination resistor

Ex : PTH-CAN-4