

APTK-1000

3 wires PT1000 conditioner with analog line

Ref: APTK-1000-###

SN:XXXXXXXXX Software version: v#.##

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

RTD measurement		
Ranges	From -100 to +400	°C
Type	PT1000	
Accuracy	0.075 at 25°C 0.2 (-40 to +125°C)	%FS
Sampling frequency	10	Hz
Sensitivity	Linear See calibration table	mV/°C
Common features		
Supply Voltage	6 to 30	V
Supply Current	3	mA
Output Voltage	0 to +5	V
Output Impedance	47	Ω
Calibrator	Fluke 753 (PT1000)	
Dimension	50 x 12 x 8	mm
Material	Aluminium	
Weight (without cable)	9	g
Protection	IP64	
Vibration test	20Gpp5'	
Shock	500	G
Operating Temp	-40 to +125	°C
Storage Temp	-40 to +125	°C

Ordering ref:
 APTK-1000 - *Range*

 200: -50...+200°C
 270: -100...+270°C
 400: -100...+400°C
 ex: APTK-1000-400

Sensor Readings		
V at ...°C	V at ...°C	Sensitivity mV/°C
...

SUPPLY / SIGNAL cable:

4x26AWG FEP tinned copper braided cable 250V 200°C

EPD 117723A

Length: 1000 mm Tubing:

Connector:

Color	Function	Pin
Red	Supply input	
White	RTD signal output	
Green	ANA Signal output	
Black	GND	
Braid (not for EPD 117723A)	Not connected to case	

PROBE INPUT cable:

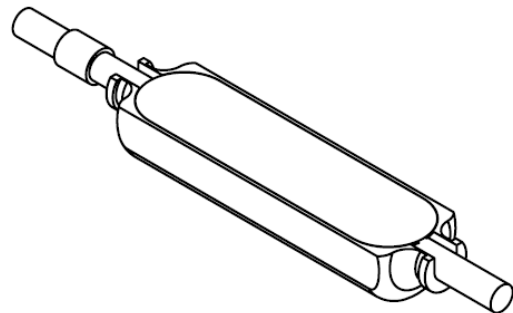
6x26AWG FEP tinned copper braided cable 250V 200°C

EPD 117723A

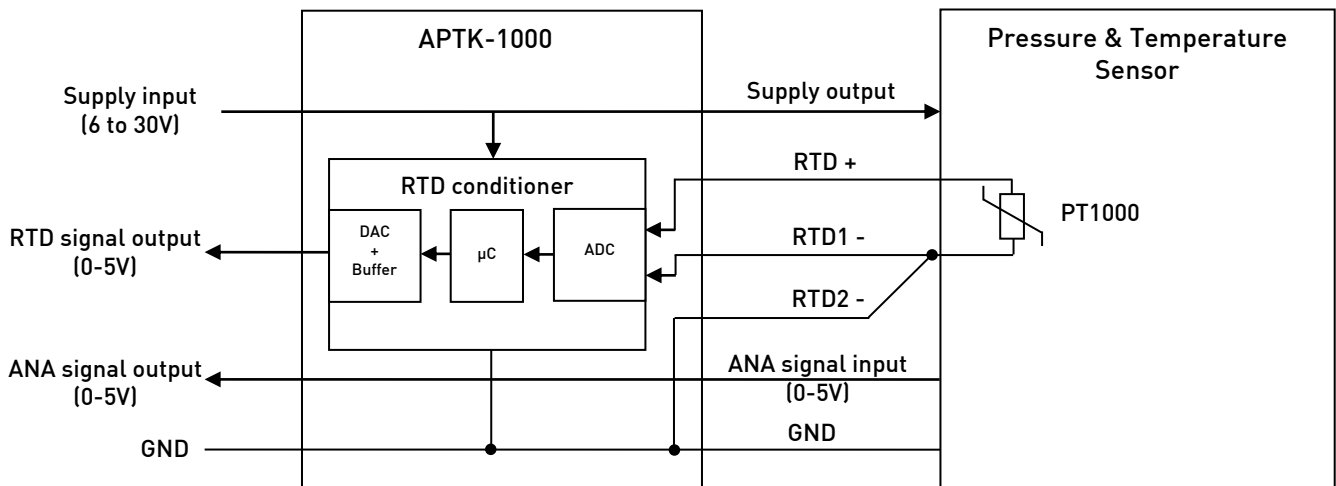
Length: 1000 mm Tubing:

Connector:

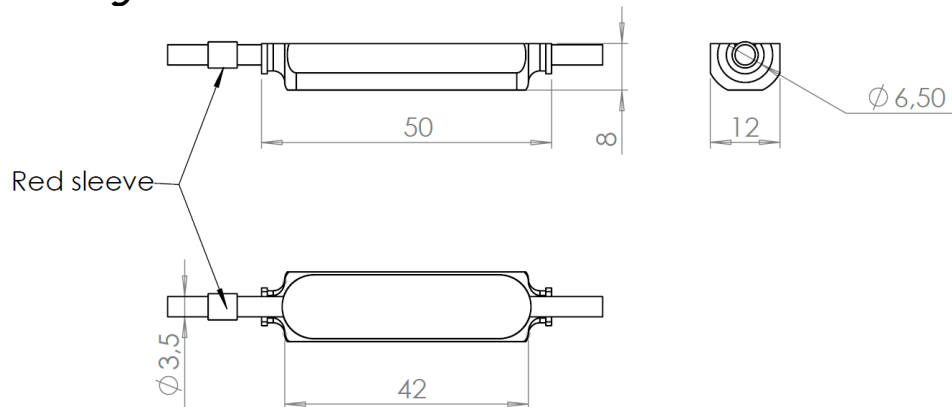
Color	Function	Pin
Red	Supply output	
White	RTD+	
Yellow	RTD1-	
Blue	RTD2-	
Green	ANA Signal input	
Black	GND	
Braid (not for EPD 117723A)	Not connected to case	



Wiring:



Mechanical drawing:



Calibration table:

Calibration table			
Target °C	-50 to +200	-100 to +270	-100 to +400
	16mV/°C	11mV/°C	8mV/°C
-100		0.4	0.7
-50	0.7	0.95	1.1
0	1.5	1.5	1.5
50	2.3	2.05	1.9
100	3.1	2.6	2.3
150	3.9	3.15	2.7
200	4.7	3.7	3.1
250		4.25	3.5
300			3.9
400			4.7

Out of range

Output = 0V for PT1000 shorted
Output = 5V for PT1000 open