

|                   |                    |
|-------------------|--------------------|
| <b>APTAB-1000</b> |                    |
| PT1000 AMPLIFIER  |                    |
| Ref :             |                    |
| SN :              | Software version : |

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.

|                   |                                      |       |
|-------------------|--------------------------------------|-------|
| Ranges            | From -100 to +400                    | °C    |
| Type              | PT1000                               |       |
| Accuracy          | 0.075 at 25°C<br>0.2 (-40 to +125°C) | %FS   |
| Sensitivity       | Linear<br>See calibration table      | mV/°C |
| Supply Voltage    | 6 to 30                              | V     |
| Supply Current    | 3                                    | mA    |
| Output Voltage    | 0 to +5                              | V     |
| Output Impedance  | 47                                   | Ω     |
| Calibrator        | Fluke 753 (PT1000 385)               |       |
| Dimension         | 50 x 12 x 8                          | mm    |
| Material          | Aluminum                             |       |
| Weight (no cable) | 9                                    | g     |
| Protection        | IP64                                 |       |
| Vibration test    | 20Gpp5'                              |       |
| Shock             | 500                                  | G     |
| Operating Temp    | -40 to +125                          | °C    |
| Storage Temp      | -40 to +125                          | °C    |

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

Cable :

- 3x26AWG FEP tinned copper braided cable 250V 200°C
- EPD 117723A

SUPPLY / SIGNAL :

Length: ..... mm Tubing: .....

Connector: .....

| Color                       | Function              | Pin |
|-----------------------------|-----------------------|-----|
| Red                         | Supply                |     |
| Black                       | 0V Supply             |     |
| White or Yellow             | Signal                |     |
| Braid (not for EPD 117723A) | Not connected to case |     |

PROBE INPUT :

Length: ..... mm Tubing: .....

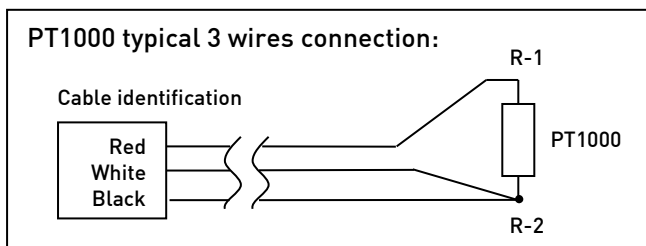
Connector: .....

| Color           | Function              | Pin |
|-----------------|-----------------------|-----|
| Red             | R-1                   |     |
| White or Yellow | R-2                   |     |
| Black           |                       |     |
| Braid           | Not connected to case |     |

| Calibration table |                        |                         |                        |
|-------------------|------------------------|-------------------------|------------------------|
| Target °C         | -50 to +200<br>16mV/°C | -100 to +270<br>11mV/°C | -100 to +400<br>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



Ordering ref ex: APTAB-100-400  
APTAB - Type - Range

|      |     |
|------|-----|
| 100  | 200 |
| 500  | 400 |
| 1000 |     |

