

PBT Display Unit

6-way 4-20mA

The PBT Display Unit provides a cost-effective way to read the 4-20mA outputs of analogue plummer block temperature sensors (PBTS) as a value in degrees centigrade.

Up to 6 PBTS devices can be connected to a PBT Display Unit by routing the 2-core cable for each PBTS through the PBT Display Unit. The operator uses a spring-loaded toggle switch to select one PBTS channel at a time, and the display will show the temperature of the currently selected PBTS.

KEY FEATURES

- Up to 6 PBTS devices, 2-wire 4-20mA
- Scaled for 0 – 100°C
- Has no influence on the output of the PBTS devices
- Isolated 4-20mA input
- Wide supply voltage range 100 – 240VAC

APPLICATIONS

- Plummer block temperature indication

ORDERING INFO

Part Number
SP00988

Description:
PBT Display Unit 6-way 4-20mA



PBT Display Unit 6-way 4-20mA

FUNCTIONALITY

Please see diagram below for operation detail. Only one channel is shown for clarity.

The channel selecting switches has a spring return which ensures the PBTS is not connected to the display unit unless actuated manually.

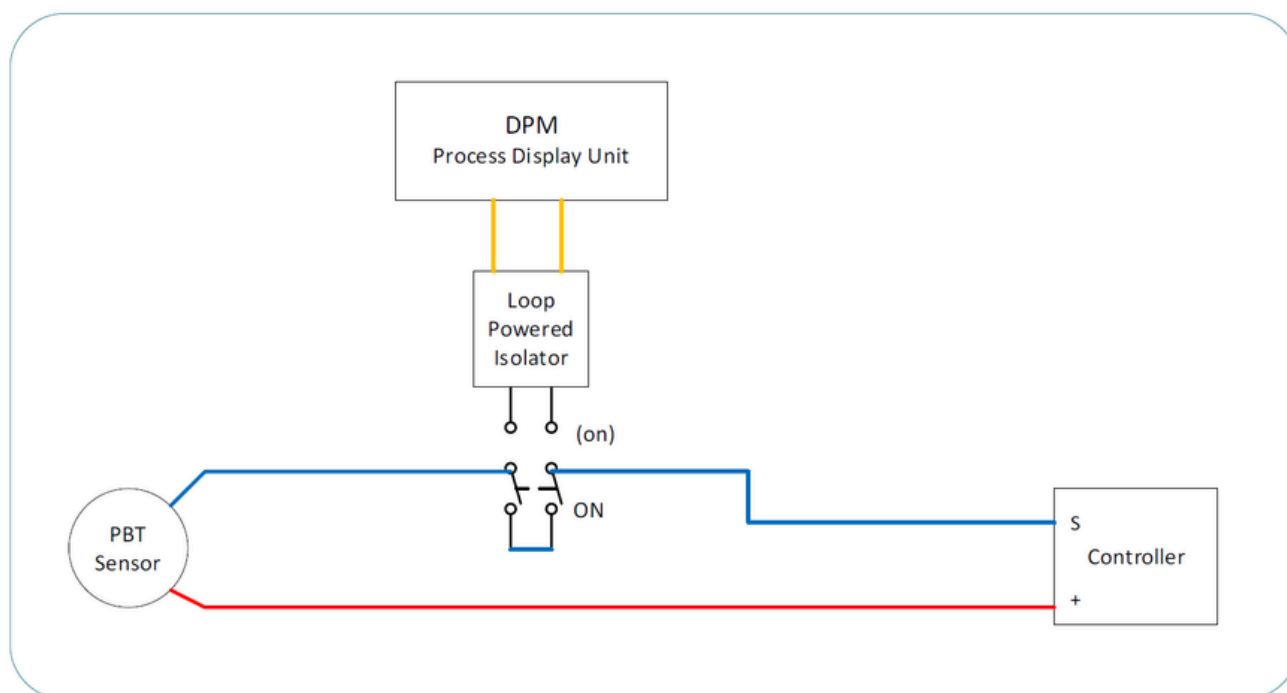
In the resting position, the signal is routed directly to the 4-20mA input on the external controller.

Only one channel can be selected at a time. Selecting a channel will connect the signal to loop through the isolator before returning to the 4-20mA input on the controller.

The display unit converts the output signal from the isolator into a temperature reading.

SPECIFICATIONS

Measuring Range:	0 – 100 °C
Analogue Input Signal:	4-20 mA, 2-wire
Maximum Load Resistance:	800 ohm @ 24VDC
Power Input:	100 – 240VAC
Power Consumption:	50W



MECHANICAL SPECIFICATIONS

Physical Dimensions:	500L x 350W x 200H mm
Weight:	± 2.3 kg

ENVIRONMENTAL SPECIFICATIONS

Water and Dust:	IP65
Temperature:	-10 °C to +55 °C