

C201



Analog PC-Programmable 2-wire Transmitter for Pt100 Input



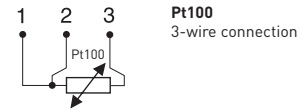
C201 is an analog, non-isolated, easy-to-use 2-wire transmitter for Pt100 input. Configuration is made in seconds with the user friendly software, ConSoft. No external power supply required for configuration. C201 is designed for Pt100 in 3-wire connection according to different standards.

- Robust terminals with test connections
- Only 18.5 mm / 0.72 inch high
- Input: Pt100 in 3-wire connection
- PC configurable measuring ranges without need for calibration
- Temperature linear output
- Very short response time
- Excellent EMC immunity
- Configuration without external power
- Easy-to-use Windows configuration software
- USB communication
- Withstands vibrations up to 10 g

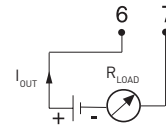
Specifications:

Input Pt100	3-wire connection
Pt100 ($\alpha=0.00385$)	-50 to +850 °C / -58 to +1562 °F
Pt100 ($\alpha=0.003902$)	-50 to +850 °C / -58 to +1562 °F
Pt100 ($\alpha=0.003916$)	-50 to +850 °C / -58 to +1562 °F
Sensor break	Upscale or downscale
Adjustments	
Zero	-50, -25, 0, +25, +50 °C / -58, -13, +32, +77, +122 °F
Minimum span	20 °C / 36 °F
Sensor error compensation	± 1 % of span
Output	4-20 mA, temperature linear
Response time	< 50 ms
Ambient temperature	
Operation and storage	-40 to +85 °C / -40 to +185 °F
Galvanic isolation	No
Power supply	8.5 to 32 VDC
Accuracy ¹⁾	Max. of ± 0.1 °C / ± 0.2 °F or ± 0.1 % of span
Connection head	DIN B or larger

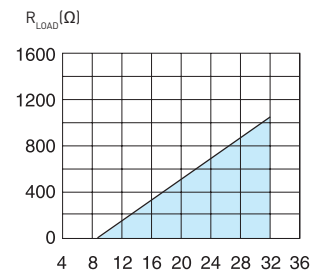
Input connections



Output connections



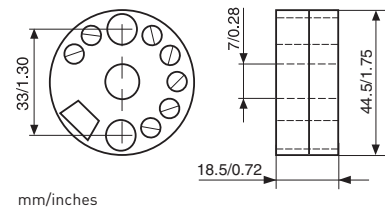
Output load diagram



Supply voltage U (V DC)

$$R_{LOAD} = (U - 8.5) / 0.022$$

Dimensions



Ordering information

C201	70C2010010
PC configuration kit (USB-conn.)	70CFGUS001
Configuration	70CAL00001

¹⁾Includes calibration and linearity errors