VCP-RTD200-CAL

Product Description

RTD200: 2/3 Wire RTD sensor to USB adapter, with connector — calibratable with VCP mode

This USB interface for RTD sensors allows for precise temperature measurement. It supports a wide variety of 2 and 3-wire 100 ohms RTDs, such as Pt100 sensor probes[1]. Sensors connect using a convenient standard mini RTD connector and the compact USB-key form factor simplifies integration even in space-constrained applications.

Specifications

Temperature

- Temperature range: -200°C to 800°C[2]
- ADC resolution: 18-bit
- Resolution: Typically 0.02°C
- Precision: ±0.06°C or better[3]
- Sensing Element Type: 2 or 3 wire RTD 100 Ω sensors (Pt100 type)
- Connection: Polarized 3-pin standard[1] miniature receptacle

Miscellaneous

- Enclosure operating temperature: -20°C to 70°C
- Enclosure: ABS Plastic, USB-key form factor
- Communication: USB 2.0

Available channels

(As displayed in our logging software *DracalView*)

Channel Id	Description	Type	Nature
00	PT100 Temperature sensor	Temperature	Real

Free data logging software

- Real-time on-screen graphing and logging
- Supported by our DracalView data logger software and tools
- Operates under **Windows** (XP, Win7/8/10 64&32-bit), **Mac OS X** and **Linux**
- Configurable log file format with log interval down to 1 second
- Configurable units (°C, °F, K…)
- Simultaneous use of an unlimited [2] Dracal sensors supported
- Command-line tool **dracal-usb-get** also available (packaged with DracalView)
- Use it in your own application easily! We provide **code samples** for many programming languages
- Usable with LabView[†] (**Guide here**)
- And much more! Visit our **DracalView data logger** WEB page for more information

Dracal RTD200 Datasheet