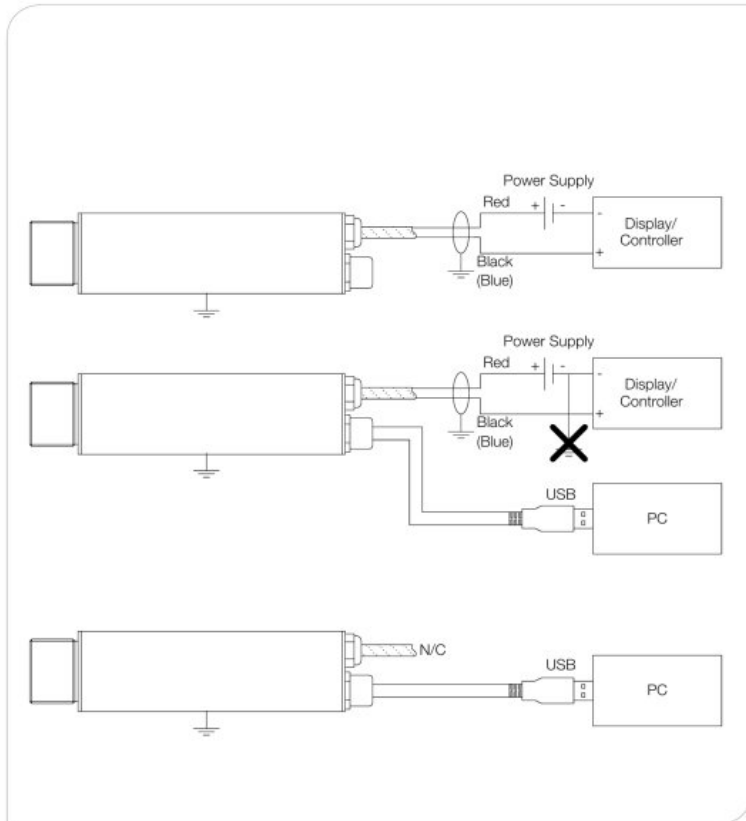


PyroUSB PC Configurable Non-Contact Temperature Sensor with 4 to 20 mA Output



- Configurable temperature range, emissivity setting etc. from a PC via CalexSoft software and USB cable (supplied)
- Features max; min; average and instantaneous readings; peak or valley hold; reflected energy compensation
- OPC Server capabilities
- Temperature range -40 to 1000°C
- Emissivity: 0.1 to 1.0
- Response time: 240 ms to 90%
- Stainless steel housing, sealed to IP65
- Field of view: $15:1$, $30:1$ or Close Focus
- 4 to 20 mA output
- Quick and easy installation
- Optional air/water cooled housing, air purge collar, laser sighting tool and mounting brackets



The PyroUSB Series measures temperatures from -40°C to 1000°C accurately and consistently, with an outstanding response time of 240 ms. The 4 to 20 mA output is compatible with almost any indicator, controller, recorder, data logger etc. without the need for special interfacing or signal conditioning.

Model PU151 has $15:1$ optics making it suitable for most applications. PU301 is specially designed for distant targets and has an optical resolution of $30:1$. PUCF is designed for small targets and measures a spot size of $\phi 5\text{mm}$ at 100mm distance.

All PyroUSB Series sensors are fully configurable from a PC using the CalexSoft software and USB cable supplied. This user friendly software enables the user to set the range and emissivity, compensate for reflected energy; apply filtering; select max, min, average or instantaneous readings; and peak or valley hold processing. These features can also be monitored and adjusted by an OPC Client. Other features include Data Acquisition, Alarms and a Scrolling Graphical Display.

The sensor will operate with either the 4 to 20 mA cable connected, the USB cable connected, or both. The USB cable has an IP65 connector at the sensor end. An IP65 cap protects the sensor when the USB cable is not connected.