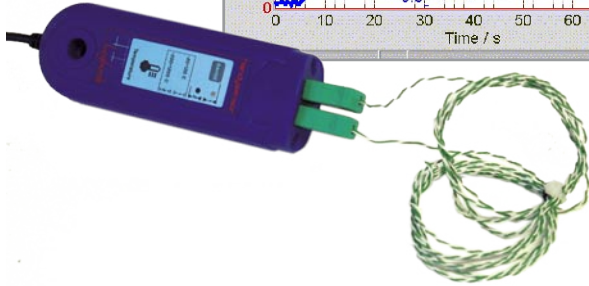
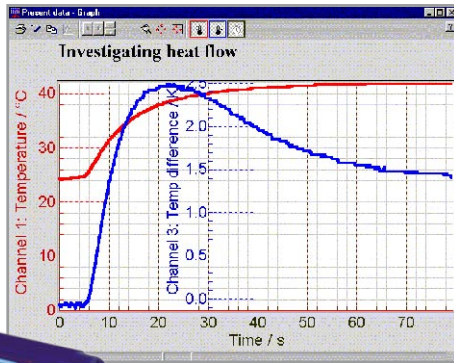


Temperature Difference / Heat Transfer

C
B
P



This sensor is ideal for investigating thermal conductivity and small changes in temperature between two points.

The sensors tips have very low thermal mass which make them very sensitive to the smallest changes in temperature.

For instance you can compare the temperature of the skin in different parts of the body or between two people.

Applications include :

- Comparison of insulation
- Thermal Conductivity

SPECIFICATION

Range • ± 10 K, res 0.002 K
Minimum recommended recording interval is 10 ms

Product

Temperature difference / heat transfer

Code

S1676

Temperature High

C
P
ES



This sensor is designed to use a type K thermocouple to measure temperature over two ranges. It offers the benefit with a low thermal mass probe of measuring very small or fast changes in temperature such as the change when a gas is compressed using the volume sensor.

In the high range it can be used to measure the temperature of a Bunsen flame right down to the very low sublimation point of solid CO₂.

Optional accessories:

- Very low thermal mass probe -75 to 250 °C
- Standard high temperature probe -50 to 1000 °C
- Very low thermal mass probe with syringe adapter (for use with the volume sensor range) 0 to 80 °C

Applications include :

- Bunsen Flame Profile
- Sublimation Point

SPECIFICATION

Ranges • - 200 °C to 1200 °C, res 1 °C
• - 20 °C to 120 °C, res 0.2 °C

Product

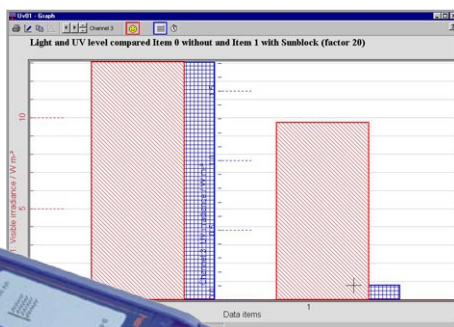
Temperature high

Code

S1866

UV Irradiance

C
B
P
ES



This sensors records UV levels of radiation for a range of science investigations.

It measures both UVa and UVb radiation.

The sensors logarithmic output increases its sensitivity at low UV levels.

Applications include :

- UV irradiance of the sun & sky
- Effectiveness of sun block

SPECIFICATION

Range • 0 to 100 Wm⁻², res 1% of reading
Minimum recommended recording interval is 100 ms

Product

UV Irradiance

Code

S1869