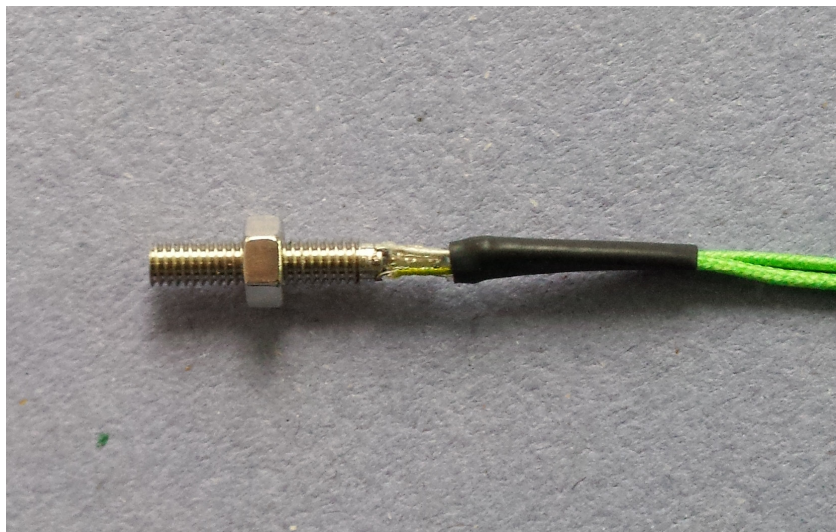


Müller MDT Double-Head Thermocouple

Measurement of Continuous, Dynamic Temperature and Heat Flow Determination

Based on the well-known dynamic Müller temperature sensor MT we now present a new model. It is designed not only for continuous surface temperature measurement, but also for continuous heat flow determination.



Müller MDT 36 double-head thermocouple with M3.5 thread and lock nut

This MDT thermocouple is used in numerous dynamic tests, such as the determination of the heat flow through a cylinder wall of a running motor, but also for short measurements in which the heat effect lasts longer than 100 ms.

With a double connection for front and rear of the thermocouple, not only the continuous dynamically changing surface temperature can be measured as before, but also the temperature at the rear end of the Müller MDT double-head temperature sensor. This enables a continuous determination of the heat flow according to the simple equation for heat conduction.

Our very easy to use program “Heat Flux Calculator” HFC automates the calculation over time.

These double-head thermocouples are available with diameters of 1.9 mm and 3.6 mm. Versions with M2 or M3.5 thread are also available.