WIRA INSTRUMENTATION Contact Heat Tester

Fast and accurate results

For the determination of contact heat transmission of protective clothing (including hand protectors) and its constituent materials intended to protect against high contact temperatures.

The Wira Contact Heat Tester apparatus for the testing of protective clothing is used in the determination of the contact heat transmission through protective clothing or its material. The test apparatus has been developed to meet the requirements of EN ISO 12127-1:2015 (replaces EN 702:1994).

Protective clothing, including hand protection, is designed to protect against high contact temperatures. The test method is restricted to contact temperatures from 100°C to 500°C.

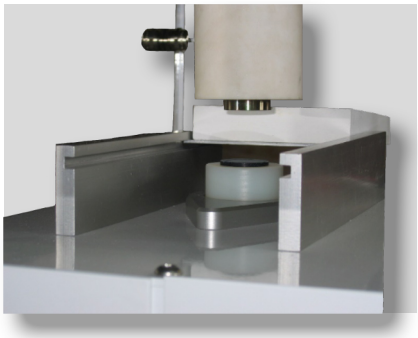
Test Method

A heating cylinder, manufactured from Nickel, is heated up to the contact temperature. The temperature of the cylinder is controlled by means of a PID controller.

The specimen is placed on a calorimeter and the calorimeter is raised at constant speed so that the specimen makes contact with the surface of the heating cylinder. The temperature is monitored, and the threshold time is determined as the time taken for the temperature to rise by 10°C. The equipment is supplied with an interface box, connecting the calorimeter to a PC. The software supplied with the interface box enables the temperature to be monitored and the temperature trends to be saved and printed.

Key Features

- ✔ *PID temperature controller*
- ✔ *Nickel Heating Cylinder*
- ✔ *Recording software*



Specification:

Dimensions: 350mm (W), 350mm (D), 420mm (H)
Power: 220 Volts, 3 Amps
Standards: BS EN ISO 12127-1:2015

Order Code: PCT:005

WIRA INSTRUMENTATION
Tested to be Trusted

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