

Metal Block Thermostat



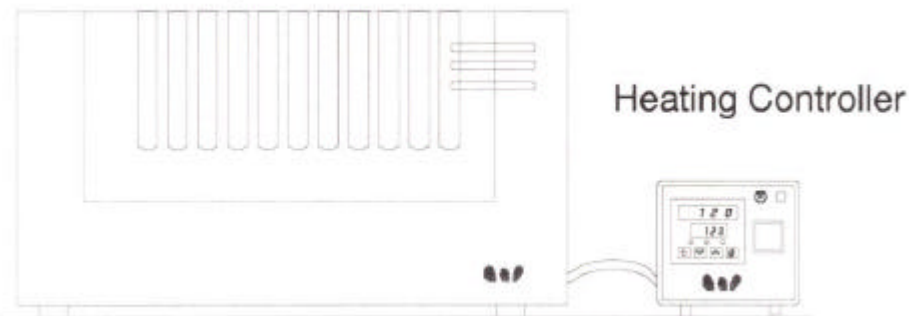
Materials Testing & Laboratory Equipment

Metal Block Thermostat Vacuum Test (Tallian)

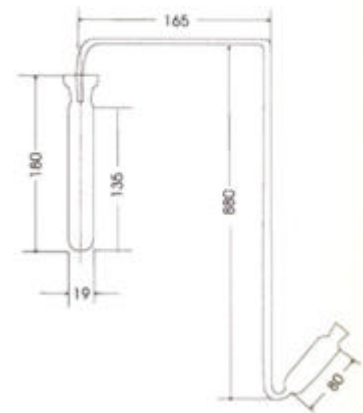
Apparatus for determining the thermal stability of nitro cellulose and nitro-compounds, single and double base propellants according to the Vacuum Test.

Principle of the metal block thermostat:

Heating Block with 15 bore holes



Glass Assembly



The equipment is consisting of:

- Heavy aluminium heating block, electrical heated; 15 holes 19.5 mm diam., depth 150 mm; temperature sensor: PT100 probe excess temperature safety device
- Programmable heating controller (PID) in a separate control box, length of the power cable: appr. 2m; digital display for actual and set temperature; control accuracy: $\pm 0.1^{\circ}\text{C}$ max. Adjustable temperature: 140°C
- Set of test 15 test tubes consisting of the cylindrical test tube with mercury collar, capillary tube and cup; Dimensions of the test tube: diam. 19 mm x 180 mm
- Rack for filling glass assembly with mercury

Main connections: 230 V / 50 Hz

Optional Accesory:

Vacuum pump 4 stage diaphragm pump IP44
max. Vacuum: <0.5 mbar
max suction capacity: 13l/min

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