

TEMPERATURE CONTROL SYSTEM

Controllers and measuring sensors



KOMPETENZ IN HEIZPLATTENTECHNIK + SERVICE

ELKOM temperature control systems are designed and manufactured to meet customers' requirements. They are the prerequisite for satisfactory operation of the ELKOM heating platen systems. Our switch-cabinets and control equipment are also used for retrofitting or conversion of existing systems.

We generally use only switching and control equipment of selected and ISO-certified suppliers. The controllers and measuring sensors are manufactured according to ELKOM specifications and are subject to regular checks and tests. Type of protection IP 54 as standard.

All switch-cabinets and control systems are supplied with standard circuit diagrams and documentation.



Example 1 :

Temperature control system with 2 microstats (capillary tube controllers), control range 0 - 150 °C or 0 - 250 °C. Microstats with required and actual value display. Main switch in the front panel, lockable. Indicator light for control "ON", heating circuit indicator lights. Length of the measuring lines: 3000 mm, sensor: capillary 300 x 5 mm (round). Usable for standard heating platen systems and wherever slight control fluctuations are tolerable.



Example 2 :

Temperature and control system with two 2-channel microprocessor electronic controllers. Control range for both channels freely programmable, control response programmable. Indicator lights for control "ON", heating circuit indicator lights. Measuring sensor construction as required or according to design specifications (PT 100). Length of the measuring lines: 4000 mm. Suitable for all heavy-duty heating platen systems, special systems, short-cycle heating platens and wherever extreme temperature accuracy is required.

Controllers and measuring sensors :



Two-channel microprocessor electronic controller free programmable, type ST 501 (for two PT 100 measuring sensors)



Microstat (Combistat) with 3 m capillary line (automatic capillary anti-break device) suitable for all veneer presses



PT 100 measuring sensor 300 X 5 mm, steel-braided PTFE lead



PT 100 measuring sensor with bajonet connection M 12 x 1



Power controller for simple heating platens and preliminary temperature control systems. connection max. 3300 Watt / 230 Volt



Built-in controller T 150 suitable for all heating bars