

WIRE-TEMP 6000

Precise conductor temperature measurement system for extrusion lines

The WIRE-TEMP 6000 is a system for the precise online measurement of the conductor temperature, which continuously and contactless measures the conductor temperature independent of external influences and before the conductor enters the extruder. Therefore, the device ensures repeatable production processes.

A stand-alone system for temperature measurement

The WIRE-TEMP 6000 measures continuously and contactless the temperature of metallic conductors. The measurement of the temperature is independent of the cross-section, the material, the surface structure and the speed. A big advantage is that the temperature measurement is realized by means of a thermal image sensor in an infrared camera, which measures the surface structure reliably and provides accurate measurements with no need for calibration. *Perfect communications* Various communication interfaces are available for the transmission of the measuring values to a SIKORA processor system, the line control or a preheating system. The interface module and all connection plugs are fully integrated in the device for perfect protection against water, dirt and mechanical damage.

Your Benefits

- Exact non-contact temperature measurement
- Can easily be installed in new lines and retrofitted into existing lines
- No calibration
- No wearing parts

Specifications

Functional Principle	Non-contact measurement of the conductor temperature
Applications	Al, Cu, Fe, others on request All kinds of cable production lines
Product Diameter	WIRE-TEMP 6005: 0.32 - 5,0 mm WIRE-TEMP 6050: 5,0 - 50 mm
Permissible Environmental Temperature	+ 15 to + 45 °C
Line Speed	WIRE-TEMP 6005: Up to 2,000 m/min
Product Temperature	+ 50 to + 150 °C, (optional at WIRE-TEMP 6005: + 250 °C)
Interfaces	RS 485, RS 232 service interface, Ethernet/UDP Optional: Profibus-DP, analog interface, 4 digital inputs and contact outputs, universal interface module with adaptors for CANopen, EtherNet/IP, DeviceNet, Profinet IO
Power Supply	115 or 230 V AC ± 10 %, 47 to 63 Hz
Dimensions (w x h x d)	WIRE-TEMP 6005: 296 x 198.2 x 360 mm WIRE-TEMP 6050: 882 x 596 x 296 mm