

## HOLROYD

BESPOKE SURFACE HEATING ELEMENTS

### OVERVIEW:

Holroyd silicone heaters can be supplied with a variety of factory-fitted temperature sensors, offering reliable and accurate thermal monitoring for a wide range of applications. These sensors are integrated during the manufacturing process to ensure optimal placement, thermal contact, and durability, enhancing both performance and safety in critical operating environments.

The temperature sensors enable precise monitoring and control of heater operation when connected to third-party controllers. This allows for effective temperature limiting, process control, energy management, and safety shutoffs in the event of overheating. These integrated solutions are widely used in industrial, medical, laboratory, and aerospace applications where thermal precision is essential.

Holroyd maintains stock of various sensor types to meet different performance and environmental requirements. These include PT100 resistance temperature detectors (RTDs), known for their high accuracy and stability over a range of -50°C to +250°C; Type J thermocouples, suitable for general-purpose industrial use. Type K thermocouples, widely used in high-temperature and corrosive environments and Type T thermocouples, ideal for low-temperature applications. Thermistors, both NTC and PTC types, are also available and provide compact, cost-effective solutions for applications requiring sensitive temperature detection within the -50°C to +250°C range.

In addition to standard configurations, Holroyd offers custom integration options to meet specific customer requirements. Customers may specify and supply their own temperature sensors for factory fitting during heater production. Alternatively, heaters can be manufactured with integrated extrusion pockets or sleeves to allow end users to insert or replace sensor probes in the field, offering flexibility and serviceability.

All sensors are carefully positioned to ensure responsive and accurate readings, and can be supplied with various lead types, terminations, and insulation materials to suit different control systems and environments.



QUALITY



RELIABILITY



CREATIVITY



SERVICE



COMMUNITY

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