



## Controllers and Sensors

**Braude manufacture a full range of temperature and liquid level controllers, protection and cut-out devices to be used in conjunction with our heaters. All controllers are supplied complete with sensors designed for use in process tanks so they are protected from attack by aggressive chemicals or by mechanical damage from workload in the tank.**

Our controllers are designed for arduous application in processing plants and most come in IP65 enclosures, with clear displays, for surface mounting near the point of application. They can also be used in conjunction with our custom built control panels to complete our range of safety, monitoring and control solutions.



### Thermaster

**Temperature controller uses a PT100 sensor encased in Teflon for use in corrosive liquids which is provided complete with guide tube and flying lead for easy installation into your tank.**

Probe lengths are 0.5m as standard but can be made up to 8m. The controller is relay operated using a single set point and is accurate to  $\pm 1^{\circ}\text{C}$ . The enclosure is sealed to IP65.



### Levelmaster

**A simple high/low level controller which can be used to control heaters or pumps.**

The probe is either carbon filament, Inconel™ or stainless steel, and so is suitable for any tank in the process area.



### Tankmaster

**A combined temperature and level controller using Braude's unique PT100 and conductance level probes compatible with the Thermaster and Levelmaster.**

There are a range of settable options such as high temperature control and alarm functions. Enclosure to IP65.



### Thermaster TS

**Remote temperature sending unit consisting of a PT100 sensor with built in sensor head to give a 4-20mA output for use with a PLC system or similar.**

Like all Thermaster sensors, this can be built up to 8m in length to suit your specific requirements.



### Thermaster OTP (Over Temperature Protection)

**This system consists of a built in probe fitted to a Polaris heater which enables sensing of over temperature in the element.**

This is useful to protect plant in situations where there is no liquid in the tank and has been enthusiastically welcomed by engineers and insurance companies alike!



### HPD (Hazard Protection Device)

**For low liquid level burn out prevention of Polaris heaters.**

This simple level controller operates in the same way as the Levelmaster with a sensor fitted to the Polaris heater for single point, low liquid level control.