

# Electrical Heating Jacket

For liquid and solid sampling in transmission from ambient to 250°C

## Electrical Heating Jacket

The Electrical Heating Jacket P/N GS20730, is used for the study of samples by transmission spectroscopy over a temperature range from ambient to 250°C. It consists of a central heatable chamber with a front cover plate. Liquid and solid sample cells are placed within the central chamber and held in place by the cover plate. The whole assembly (Jacket plus sample cell) is installed into a spectrometer sample compartment via the 3" x 2" slide mounting plate.

Heating to the Jacket is provided by its own dedicated low voltage (30 Volts) temperature controlling system, that is provided with the Heating Jacket as standard. A water cooling back plate incorporated into the 3" x 2" slide mounting plate of the Jacket acts to keep any heat at the central chamber from spreading to the mount area of the sample compartment during operation.

For the study of liquid samples, the liquid cells of



### Key features

- > Programmable controlled temps. up to 250°C
- > Static or flow sampling capabilities
- > Fully CE Safety compliant
- > Protective water cooling system
- > Standard 3" x 2" slide mount

the (GS20500/20510) Series type (static and flow versions) are placed into the Electrical Heating Jacket's central chamber. If solid samples are to be analysed, then the specific solids holder (GS20600) is used within the Electrical Heating Jacket.

The Electrical Heating Jacket is supplied with a high stability power controller with a factory fitted option for control via RS232, RS485 or USB connectivity if ordered.

## ordering information

### GS20730 Electrical Heating Jacket

Includes: Low voltage heated jacket with water cooling system NiCr/NiAl thermocouple

High Stability Temperature

Controller factory fitted option for control via RS232, RS485 or USB connectivity if ordered

This accessory also requires a liquid or solids sample cell (See pages 51 - 57)

Please specify 220V or 110V and country of usage

### Options

**GS28000** RS232 Connection kit

**GS28001** USB Connection kit

**GS28002** RS485 Connection kit

