

# TECHNICAL SPECIFICATION

## Cooper8, 6 channel Programmer/Controller/Data Recorder

Stock Reference: 12410

Stork Cooperheat's innovative Cooper8 is a heat treatment programmer/controller and digital recorder combined unit which is designed to work in conjunction with standard heat treatment equipment. The Cooper8 can be used as a separate modular unit or can be built into a bespoke heat treatment unit.

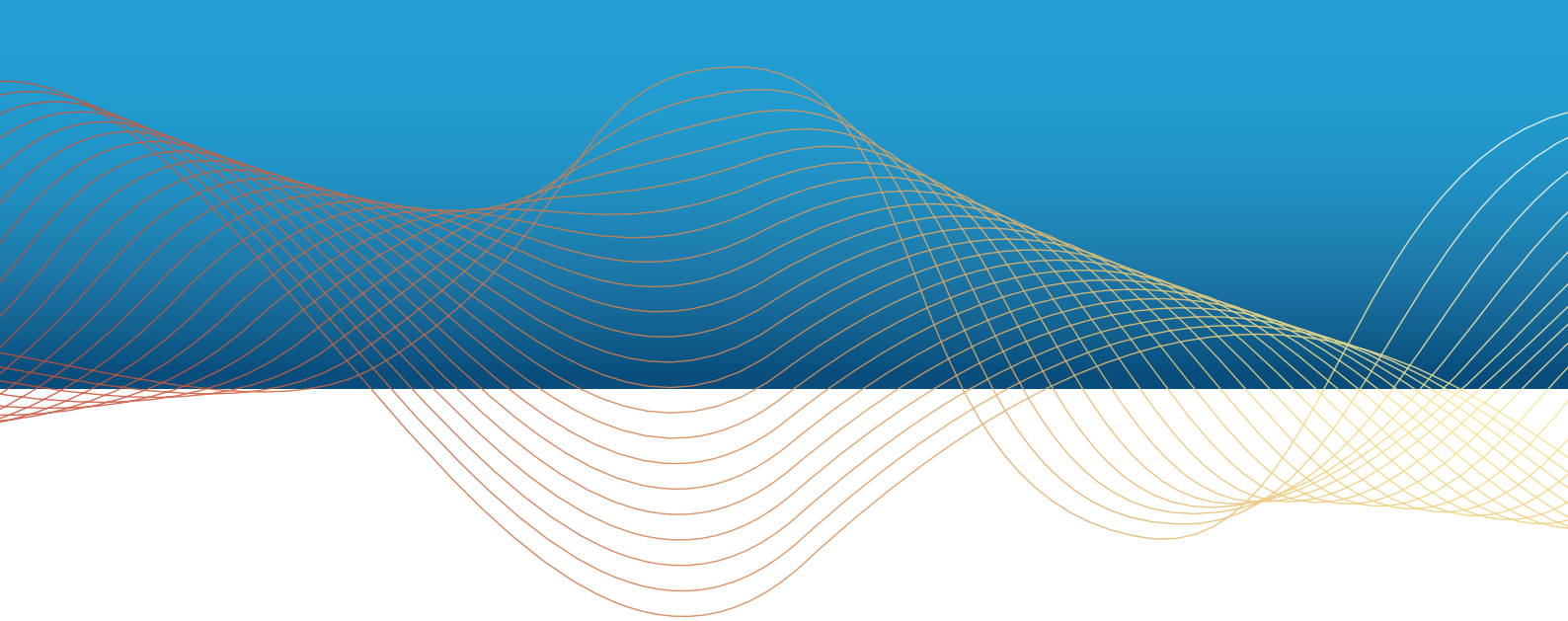
The most versatile heat treatment unit on the market, the Cooper8 can be used as a six channel programmer module which is compatible with any standard heat treatment transformer power source with inputs for contactor control. In addition, it can also be used as a sophisticated programmer with the capacity to download data for analysis and print temperature charts.

The controls of the Cooper8 are extremely intuitive and can be operated and monitored by the operator locally or via remote control and remote data monitoring. To meet specific or bespoke heat treatment requirements, the Cooper8 can be customised with your needs in mind.

### Features:

- Controls six thermocouple channels
- Monitors an additional six channels
- Runs one or two independent heat treatment programs (controls 3+3 or 2+4 control zones) at the same time
- Selectable holdback to control temperature differentials
- Heat treatment profiles up to ten segments
- Operates and records in °F or °C
- Six output thermocouple sockets (for use with separate recorder if required)
- Range 0 to 1200°C (0 to 2200°F)
- Max ramp 1200°C or F° per hour
- Max soak length 99 hours 59 minutes
- Chart can be viewed from the LCD screen in real time
- Chart and job specifications can be printed using any Windows compatible device and Cooper8 software
- Multiple languages available on request
- Controlled via Wi-Fi, 3G/4G or LAN hardware connection from a smart phone, tablet or computer
- Colour, 7 inch, LCD screen, with touch screen control





| <b>Specifications</b>  |  |
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| <b>General</b>   |  |
| <ul style="list-style-type: none"><li>• Case material : Stainless Steel</li><li>• Case dimensions : Width 32.5 cm, height 26.0 cm, depth 43.0 cm</li><li>• Display : Colour, 7 inch, LCD screen, with touch screen control</li><li>• Weight total unit : 13 kg</li><li>• Environment : Operating temperature 0-50 °C</li><li>• Storage : Temperature -20 to 60 Relative Humidity 10% to 90%</li><li>• Supply : 110 V a.c., 5A, 50/60Hz</li></ul> |  |
| <b>Recording and Control</b>   |  |
| <ul style="list-style-type: none"><li>• Sensor : Type K Thermocouple to BS EN 60584-1 (others by special order)</li><li>• Accuracy : <math>\pm 0.1\%</math> of span <math>\pm 1</math> °C</li><li>• Control : PID</li><li>• Units : °C or °F</li><li>• Channels : 6 control channels plus 6 monitoring channels</li></ul>  |  |
| <b>Program</b>   |  |
| <ul style="list-style-type: none"><li>• Ten segment program profiles. Each segment can be temperature level, ramp up, ramp down or hold period</li><li>• In addition to all six zones running to a common program, two independent programs can be run simultaneously controlling 3+3 control zones or 2+4 control zones</li></ul>   |  |

