

# TECHNICAL SPECIFICATION

## Temperature Chart Recorder (Fuji)

Stock Reference: 40007

Stork Cooperheat's temperature chart recorders are renowned for accuracy and reliability, which helps prevent expensive re-work caused by the failure of older, unreliable, mechanical recorders. The reduced mechanical parts, input open-circuit alarms, date/time printing, and the clarity of the latest six colour microjet printing system ensure that all interested parties have full confidence in the accuracy and authenticity of the recorded results of any heat treatment process. The Fuji temperature chart recorder can record a up to 12 input channels of thermocouple inputs of all common types. The unit can be factory set to meet your precise requirements prior to despatch; however the ability to change any parameter is available to the operator. The recorder incorporates ink jet technology, which provides twelve continuous traces on a 180 mm chart and allows for the measured data to be recorded in analogue trace mode or digital data mode, whereby data logs can be printed at operator selected intervals. Information and data is also constantly available on the alphanumeric display.



### Features:

- Compact size
- Password security
- Ability to zoom in to a selected area of the graph
- Traces can be zoned allowing simultaneous recording of separate charts
- Analogue or digital printing
- Periodic information printing (date, time, scale and temperature logs)
- Customised labels can be attached to each trace and chart
- Alarms printed on chart as they occur
- Option to print data measured as maximum, minimum, average and totals.
- Low ink and paper warning
- Mathematical calculation of data including subtraction and engineering unit conversion

### Benefits:

- Simple to operate, maintain and calibrate
- 66% less mechanical parts than conventional recorders
- 33% less parts than conventional recorders
- Does not use complicated servomechanism
- Unlike conventional recorders input scanning is not used, ensuring trouble free operation

| Specifications  |
|---|
| Power Requirement   |
| <ul style="list-style-type: none"> <li>• Power supply voltage : 110V to 240V a.c</li> <li>• Power supply frequency : 50Hz/60Hz</li> </ul>   |
| Operating Environment   |
| <ul style="list-style-type: none"> <li>• Ambient temperature: Minus 0°C to 50°C</li> <li>• Humidity: 20% to 80% RH, non-condensing is required (temperature x humidity &lt; 3200)</li> <li>• Environmental protection: IEC IP50 (front door of panel mounted unit)</li> </ul> |
| Inputs  |
| <ul style="list-style-type: none"> <li>• Input points: 12 Points</li> <li>• Input thermocouple types: Thermocouple inputes- B, R, S, K, E, J, T, N, W, L, U, PN.</li> <li>• Reference range: Type K: -200°C to 1370°C (-326°F to 249°F)</li> </ul>                            |
| Recording systems   |
| <ul style="list-style-type: none"> <li>• Printing system: Ink jet system, 6 colour</li> <li>• Chart Width: 180mm</li> <li>• Chart Length: Z fold 20m</li> <li>• Chart Speed: 5 to 300mm per hour</li> </ul>   |
| Physical  |
| <ul style="list-style-type: none"> <li>• Weight (with case): 18kg</li> <li>• Dimensions (outer case): 360mm width x 428mm depth x 328mm height</li> </ul>   |

