

Heat Treatment Unit Test/Inspection Checklist

Contactorisred Units With Recorders and Programmers/ Temperature Controllers

Serial No: 10652/3271

The person carrying out the tests is responsible for:

- Carrying out the required tests/verifications/inspections.
- Completion of this checklist.
- Ensuring any necessary corrective actions are detailed in the comments section.
- Repeating the inspection for any inspection criteria which fails.

The person carrying out the final inspection is responsible for:

- Ensuring that all tests/verifications/inspections have been carried out effectively.
- Conducting a final inspection.
- Signing-off this inspection checklist.

Test/Verification/Inspection To Be Carried Out	✓ Below		Comments
	Pass	Fail	
Verify that all components match those detailed on schematic drawings and picking list.	✓		
Verify that the unit has been wired in accordance with the approved schematic drawing.	✓		
Verify that the routing, tying and securing of cables and wires are safe and neat.	✓		
Verify that all mechanical fixings and fixtures are tight and secure.	✓		
Verify that all connections and terminations are tight.	✓		
Verify that the neutral star point bus bar is fitted and connected to earth.	✓		
Verify that all metal parts are connected to earth when fully assembled.	✓		
Verify that the main earth connector is labelled 'PE'.	✓		
Verify that the cable and wiring is the correct size.	✓		
Verify that the correct colour of the wiring insulation has been used.	✓		
Verify that all steelwork is visually acceptable and that all metalwork is 'safe' and in accordance with latest drawings and instructions.	✓		
By running a simulation, verify that the programmer operates correctly and the outputs operate the correct contactors.	✓		
Verify that all channel outputs are at the specified voltage ± 5%.	✓		
Verify that the auxiliary supplies are 110v a.c. ± 5%.	✓		
Verify the calibration of the unit.	✓		
Verify that all operation, identification, safety and CE marking labels are attached correctly.	✓		

QUALITY CONTROL INSPECTION RESULT

Passed (unit can be booked into stores/despatched?)	✓
Failed (identified fail points to be corrected and unit to be re-inspected/tested)	

	NAME	SIGNATURE	DATE
Tests Conducted By:	<i>H. Artyukov</i>	<i>[Signature]</i>	<i>14.5.2012</i>
Inspection Conducted By:	<i>H. Artyukov</i>	<i>[Signature]</i>	<i>14.5.2012</i>

CERTIFICATE OF CALIBRATION/TEST



Date of Issue: 14.5.2012

STORK TECHNICAL SERVICES (STS) LTD

Signatory (Print) H. Artyukhov

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Equipment Description: Fuji Temperature Recorder

Input or Sensor Type: Type K Output or Range: 0-1000°C

STS Serial No: 10652/3271 Instrument Serial No: A2B5953 T

MAXIMUM RECOMMENDED CALIBRATION PERIOD IS 12 MONTHS Production Order No: PRO600002363

TEST PARAMETER	PRIOR TO TEST	POST TEST
100°C	100°C	100°C
300°C	300°C	300°C
500°C	500°C	500°C
700°C	700°C	700°C
1000°C	1000°C	1000°C

INSTRUMENT USED	MODEL	SERIAL NO	DATE CALIBRATED
T/C Simulator	EZCAL	DCA-246	11-10-11

All measurements are performed with equipment that is traceable to National Standards unless otherwise stated. We certify that the equipment has been subject to inspection in accordance with ISO 9001 : 2008 and complies in accuracy with the standards laid down therein.

Signature:

Date: 14.5.2012