

Thermal Engineering Show 2019

A stand that delivers world class products and services for your heat treatment processes



A partnership that delivers world class products, UKAS calibration and support and helps achieve the industry best quality and compliance



Measurement made easy

Heat treatment furnace

Introduction

ABB, a leader in industrial automation, are joined by W H Good Automation Ltd at this Thermal Engineering Show to provide you the best solution for all your heat treatment processes. ABB's AMS2750 compliant products and UKAS accredited calibration services combined with W H Good's technical expertise and local support, will help your heat treatment process adhere to the most stringent standards and compliance.

What ABB products are suitable?

ABB's Recording & Control products include a range of recorders and PID controllers suitable for heat treatment processes. ABB's products offer a host of features and functions, including AMS2750 compliant inputs, making them ideal for heat treatment applications.

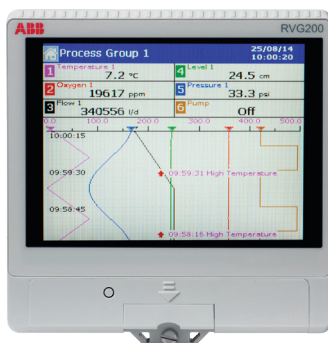
ABB's recorders and controllers can also be part of the system that follows the Automotive Industry Action Group (AIAG) CQI-9 (Special Process: Heat Treat System Assessment).

ScreenMaster recorders

Process data at your fingertips.

High specification AMS2750-compliant inputs

Industry standard, AMS2750, details the accuracy requirements for temperature control and recording instrumentation in the aerospace industry. The RVG200's high specification analog inputs meet these requirements. Offering high accuracy, stability and 500 V galvanic channel-to-channel isolation, the RVG200 delivers reliable thermocouple temperature measurement.



ScreenMaster RVG200 paperless recorder has AMS-compliant inputs as standard

Up to 24 analog inputs

With up to 24 analog inputs, the RVG200 can be connected directly to multiple sensors, making it suitable for applications using large furnaces requiring multiple process measurements.

Barcode scanner interface

Batch information can be scanned directly from product paperwork, eliminating the scope for human error.



Logarithmic scales

To remove the potential for contamination and improve temperature uniformity, many precision heat treatment processes take place in a vacuum. The RVG200 can present vacuum signals on a logarithmic scale ensuring maximum accuracy and readability for the process operator

ControlMaster PID controllers

A state-of-the-art range of process controllers.

Profile control

Profile control enables setpoint profiling for thermal processing applications. Two versions are available; a basic single program version and an advanced, multi-program version with sequencing.



ControlMaster CM30 universal controller

Profile-specific displays provide a clear overview of the profile progress, including program name and time remaining, with more detailed information available at the press of a button

Historical trending

Short-term trending capability provides valuable information during commissioning as well as reviewing the history of intermittently attended processes.

Advanced functions

ControlMaster is packed with features that enables it to handle any application from basic through to complex control applications. Features include math, totalization and a frequency input, logic, gain scheduling, split output, cascade control, valve control and real-time alarms.



ControlMaster CM30 (1/4 DIN) universal controllers

Full environmental protection

With fully-sealed IP66 and NEMA 4X enclosures or front panels, all ControlMasters offer full protection against water and dust ingress, enabling them to be used in even the most arduous operating conditions

What services can ABB offer?

ABB has over 125 years of experience in temperature measurement spanning everything from medical refrigeration through to heat treatment for aerospace processes. This experience, together with our UKAS accredited service, enables us to offer unrivaled expertise in the calibration and mapping of temperature equipment throughout the UK.

UKAS accredited calibration service

As an instrument manufacturer and a specialist in the provision of testing and calibration services, ABB has its own testing and calibration facilities for flow, pressure, temperature and electrical signals. Accredited to ISO17025 by the United Kingdom Accreditation Service (UKAS), these facilities are available to both customers and third parties. ABB are also accredited to perform field calibration of temperature and other electrical signals (except pressure).

The ISO17025 standard has been created to help ensure consistency in the way that equipment, including measurement instruments, is tested and calibrated so its accuracy can be relied upon by end users. With ABB's UKAS accreditation, our customers can rely on the credibility of the calibration and the conditions it was performed under.

Temperature uniformity surveys

- Temperature uniformity surveys/mapping compliant to AMS2750E
- Temperature equipment mapping service using the latest temperature measurement and data recording equipment
- Reliable service independent of the temperature equipment manufacturer
- Bespoke packages to suit your individual requirements
- Probe quantity to suit the size of the temperature equipment under test
- Consult with our customers to optimize their process
- All test equipment UKAS calibrated at ABB's UKAS calibration laboratory 8809
- A full, post-UKAS calibration survey report, detailing probe location with results in tabular and graph formats
- A nationwide network of UKAS authorized service engineers



ABB and W H Good partnership

ABB Measurement & Analytics in the UK have a long and established relationship with W H Good Automation Ltd.



W H Good has areas of operation that span major industry sectors, with each of their operating units committed to demonstrating the value they can bring to client's operations, through embracing change to drive continual improvement, knowledge transfer and deliver true innovation.

Stock items with next day delivery

W H Good stock a wide range of controllers and recorders, plus a variety of pressure and temperature transmitters. Consumables such as pH electrodes, chart paper and pens are also stocked.

Instrumentation control panel upgrades

Over many years W H Good have successfully upgraded process systems for safe and hazardous areas including ovens, cookers, furnaces, autoclaves, dyers and mixers. W H Good can give you advice on the scope of work required to replace obsolete process instruments in a control panel or out in the field and supply new control panels or back plates.

Configuration of instruments

Prior to shipment all instrumentation is powered and functionally tested. At this stage we can configure to your specification. Once configured, test sheets are supplied and stored on our servers for future support. This service allows great savings by excluding the need to read and understand various manuals for every new product.

On-site commissioning

W H Good's professional installation and commissioning service ensure you get the best out of your investment, protecting reliability and reducing downtime risk.

Test and repair

A prompt repair service for all instrumentation. With dedicated rigs, W H Good are able to offer a cost-effective test and repair service for all the product ranges they support..

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