

UPC MARATHON

A NITREX COMPANY

PROTHERM-Q NEXT GENERATION UNIVERSAL PROCESS CONTROLLERS FOR HEAT TREATMENT

FEATURES & CHARACTERISTICS

The next generation PROTHERM-Q controller series is the next evolution in the Protherm controller family. Designed to monitor, control, record and archive heat treatment processes running in a furnace or simultaneously in multiple chambers, they are configurable for various types of batch and continuous furnaces, and available for new or refurbished furnaces, as well as for updating existing systems.

FEATURES & CHARACTERISTICS

- Full color high resolution touch screen with standard or custom graphics
- Function keys to access the most important functions
- Password protected user access with multiple permission levels
- Built in process features:
 - Alarm handling
 - Up to 999 recipes with time resolution to the second and clear, easy to use parameters
 - Optional process modelling for nitriding and carburizing applications
 - Multi screen digital chart recorder
 - Up to 32PID loops with multiple tuning sets
 - Automatic batch production logs
 - Integrated webserver
 - Onboard data storage with hard drive capacity alarm
 - Modbus TCP Client and Server
- Available in 12", 15", 17", 19", and headless versions



PROTHERM SERIES

- NO MORE GUESSING
- PRECISE CONTROL
- REPEATABILITY
- LOAD INSIGHTS



Eco-friendly technology

MAIN FEATURES

- Visual display of the connected furnace, chambers, loads, and configured components (e.g.: furnace door, recirculation turbines, etc.)
- Real-time monitoring of loads at all stages of the process and all chambers of the furnace
- Real time online diffusion calculation provides the capability to both model and control the process using the required target values (e.g.: case depth, surface carbon content)
- Compatible with older generation PROTHERM controllers to minimize retrofit downtime, and shorten the operator learning curve
- Compatible with most PLC platforms, industrial controls, and instrumentation
- Seamless integration with the QMULUS or legacy Protherm 9800 SCADA systems

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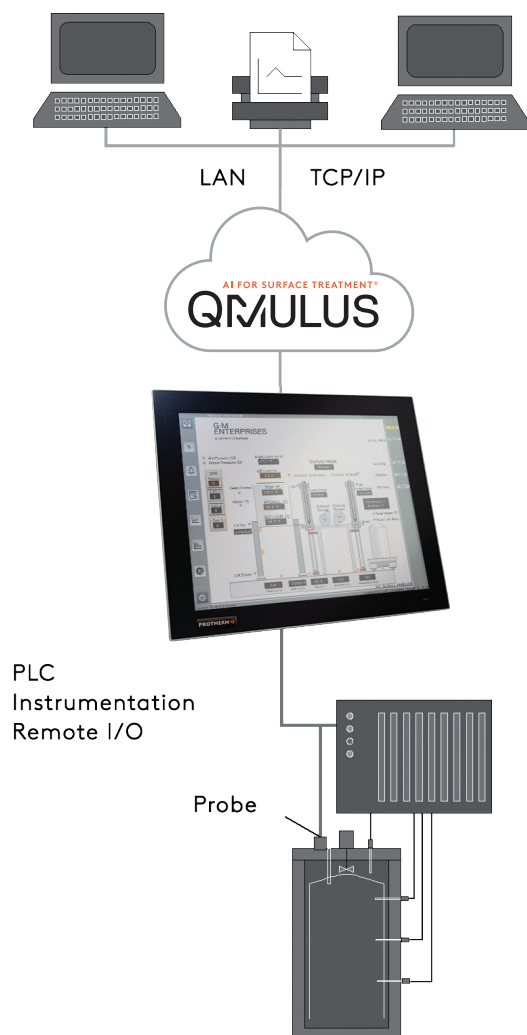
PROTHERM-Q

NEXT GENERATION UNIVERSAL PROCESS CONTROLLERS FOR HEAT TREATMENT

HARDWARE

PROTHERM-Q				
MODELS	Q2	Q5	Q7	Q9
Colour Display	12"	15"	17"	19"
Touch Screen	●	●	●	●
USB Port	2	2	2	2
Ethernet Port	2	2	2	2
Modbus TCP	●	●	●	●

INTEGRATION / CONNECTION

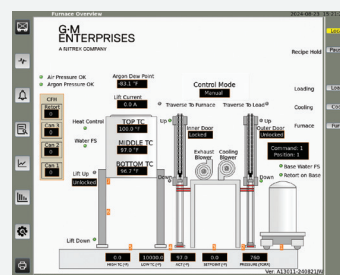


PROTHERM SERIES

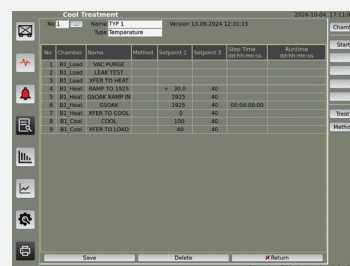
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Eco-friendly technology



Main Screen



Recipe Builder

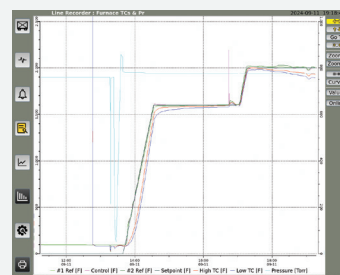


Chart Recorder



Alarm History

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