scientaomicron

Mistral Upgrade Package

Mistral graphical user interface for systems with existing Scienta Omicron Mains/ System Controller V3/ V4/ V5

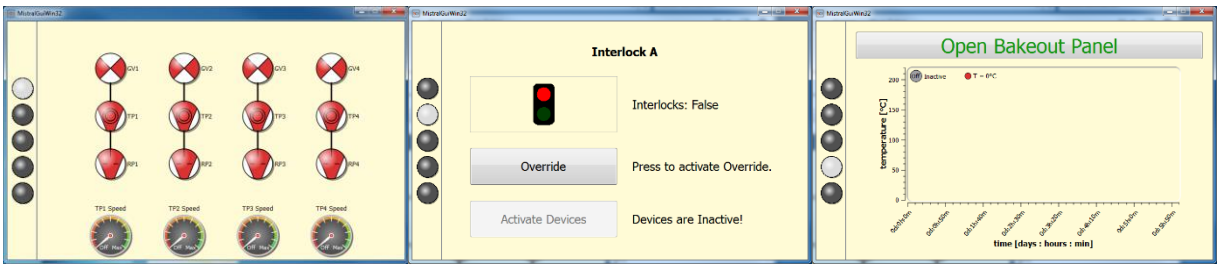
Features:

System Overview with all valves and pump stages for an easy to handle UHV system

- Easy to use **Touch-screen control** for all pumps and valves
- Control of a programmed **system bake-out** sequence
- **Temperature read-out** for the manipulator

Safety management with integrated interlocks that allows for

- Keeping vacuum in case of electrical breakdown
- Power supplies for sensitive components are turned off in case of critical pressure drop



Includes a set of customized adapter cables to connect the existing system control cables in the system rack.

Technical Data:

The kit includes a 3HE rack unit with all control logic to replace the existing system controller logic as well as a 7” touch-screen computer interface to the control system that can be mounted in a 4HE rack space.

- Up to 4 turbomolecular pumps with gate valve control
- Up to 2 mains interlock channels
- Up to 2 bakeout zone inputs (type-K thermocouple)
- Up to 4 rotary pump control channels
- Up to 8 supplementary potential free relay outputs for additional interlock devices

Any additional customization of the Mistral control system to make it compatible with bespoke or non- standard features of the existing system need to be quoted separately and are not included in this package. For a customized offer for a specific existing system please contact SO Service with project number.

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Summary

Part Numbers: PN06508 (for SC5); PN06199 (for SC 3/ 4)

Parts needed:

- Beckhoff panel
- Customized set of cables

Limitations:

- **bespoke or non-standard features**

Options:

Any additional customization of the Mistral control system to make it compatible with bespoke or non-standard features of the existing system need to be quoted separately and are not included in this package. For a customized offer for a specific existing system please contact SO Systems Service with project number.