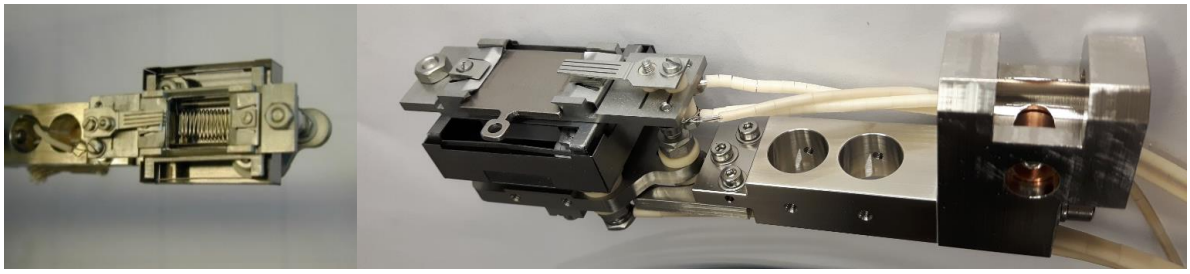
scientaomicron

High Temperature Heater Upgrade Package

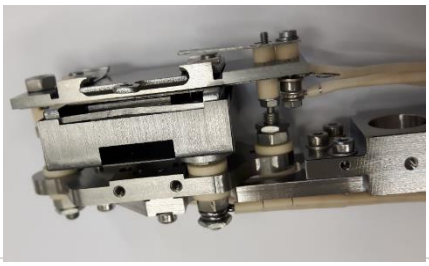
For Standard Scienta Omicron Manipulators

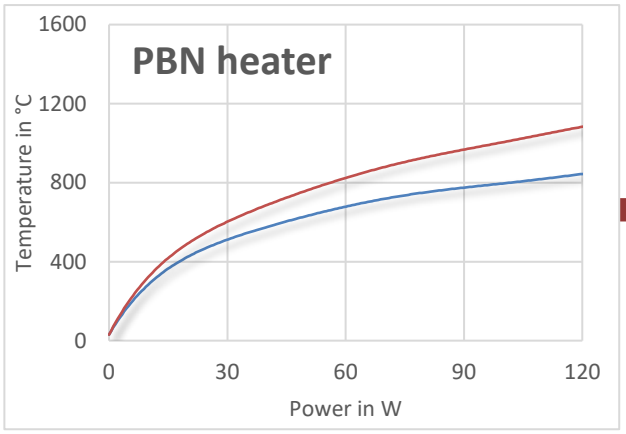


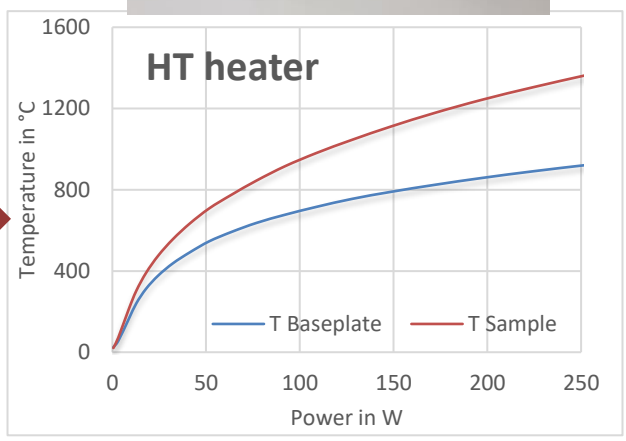
Scienta Omicron manipulators can easily be upgraded with the **High Temperature Heater Package** to let your system **benefit** from higher accessible maximum sample temperatures as compared to o a standard PBN heater. Containing all required parts, the **package** comes pre-assembled for easy on-site implementation. The heater stage is ready to be mounted to a rotary drive shaft with d = 9.5 mm and has the internal wiring attached.

Benefits:

- Max. sample temperature: 1670°C @250 W (10 A)
- Pre-assembled for easy installation







Package:

- Pre-assembled High Temperature Heating Stage
- Direct heating contact brush (mounted)
- In-vacuum wiring and ceramics package, partly pre-assembled
- 6 pin Amphenol feedthrough and corresponding crimp connectors
- Additional thermocouple cable
- Ex-vacuum cable for standard power supply resistive and direct heating

For installation support, please ask for our skilled Scienta Omicron Service personnel.
Please contact your local Scienta Omicron representative for more information:
https://www.scientaomicron.com/en/contact-us

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Summary

Part Number: PN05562-S

Parts included:

- HT Heating Stage, wires, ceramics, barrel connectors
- 6 Pin feedthrough for heater, crimp connectors
- Thermocouple, crimp connectors for thermocouple

Prerequisites:

Applicable to standard Scienta Omicron manipulators with

- Horizontal manipulator (MBE type on request)
- PBN resistive heating or electron beam heater
- Only one sample stage
- Only one (primary) rotational axis
- No cooling
- Up to one DH brush
- Standard Scienta Omicron sample plates
- No further specials like 4 contact sample stage, special non-magnetic or oxygen resistive head, silicon diode, …

Options:

- Power supply 750W for sample heating, heater cable
- Special wire materials for HTSH
- Thermocouple feedthrough
- PID temperature controller