

T Glass Plate

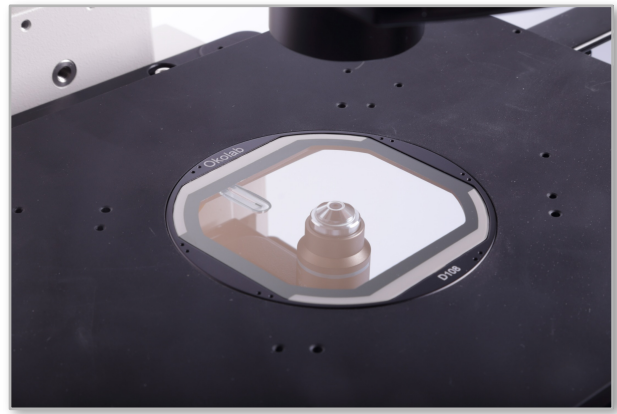


Transparent and flat surface
at controlled temperature for
Inverted and Stereo Microscopes



T GLASS PLATE

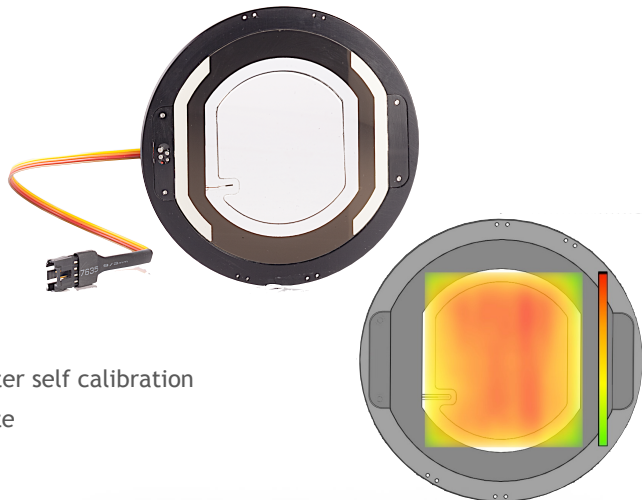
Transparent and flat surface at controlled temperature



T GLASS PLATE fits into the microscope XY stages and provides a transparent and flat surface at controlled temperature. The combined action of the conductive glass with built in temperature sensor and of the state-of-the-art PID controller with 4.3" touch screen and advanced calibration routines ensures the highest accuracy on specimen temperature.

GLASS PLATE FEATURES

- Glass thickness: 0.5 mm - strengthened glass
- Plate Type: round/rectangular shapes available
- Built in temperature sensor
- Temperature range: ambient to 60°
- Temperature sensor accuracy: $\pm 0.1^{\circ}\text{C}$
- Self Calibration routine
- Temperature accuracy on specimen: $\pm 0.3^{\circ}\text{C}$, after self calibration
- Fast connector for easy replacement of the Plate
- 4.3" touch screen interface controller



GLASS PLATE CALIBRATION

The GLASS PLATE can be automatically calibrated by employing the external temperature sensor of the controller and by starting the self calibration routine from the touch screen.

The algorithm will progressively increase the temperature of the plate until the desired set point temperature is reached inside the calibration Petri.



H401-T-CONTROLLER

CONTROLLER - DUAL CHANNEL

H401-T-CONTROLLER is a 2-channel controller which can be employed to control up to two devices at the same time.

The devices are connected to the controller with fast connectors and can be easily replaced.

The controller is equipped with a 4.3" Touch Screen and an intuitive software to offer accuracy and simplicity of use at the same time.

The external sensor allows to automatically and independently calibrate the devices by performing the self calibration routine.

A password protected procedure allows to calibrate the controller and the sensors for periodic maintenance.

The controller is equipped with local memory for on-board data logging and storage of calibration and alarms events.

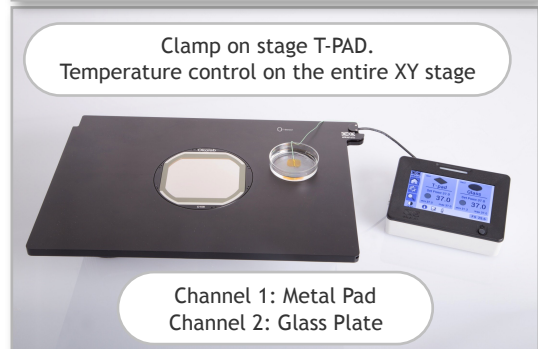
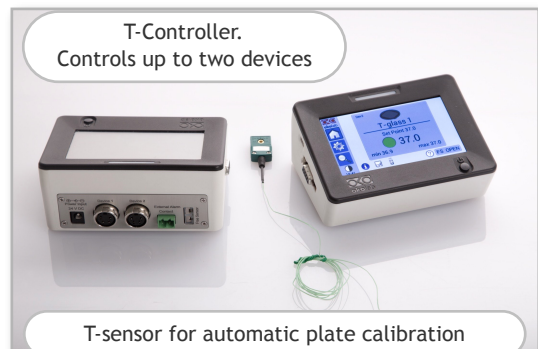
FEATURES

- The controller can control up to 2 devices
- Set point value from room temperature to 60°C
- T - accuracy on specimen: $\pm 0.3^{\circ}\text{C}$, after self calibration routine
- Intuitive 4.3" Touch Screen Display
- External k-type thermocouple for self calibration
- Independent calibration of the devices connected
- Start up protocol with tunable heating rate ($^{\circ}\text{C}/\text{min}$)
- On-board Data Logging / Download via mini-USB
- Alarm buzzer and External Alarm Connector
- Password protected procedure for periodic calibration against certified thermometer
- Dimensions: 103x130x59 mm

COMPATIBILITY

H401-T-CONTROLLER can be connected to any of these devices (maximum two devices can be controlled at the same time).

- H401 GLASS PLATES series
- H401 METAL PLATES series
- H401 GLASS TABLE
- H401 T PAD series
- H401 STAGE T PAD (clamp on stage T-PAD)
- OBJECTIVE HEATER



Temperature range	From ambient to 60°C
Built in Temperature sensor accuracy	± 0.1°C
External Temperature sensor accuracy	± 0.1°C
Temperature accuracy on specimen	± 0.3°C after self calibration routine
Glass Plate type	Strengthened ITO glass
Glass thickness, mm	0.5
Data Logging	On-board memory / download via USB



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