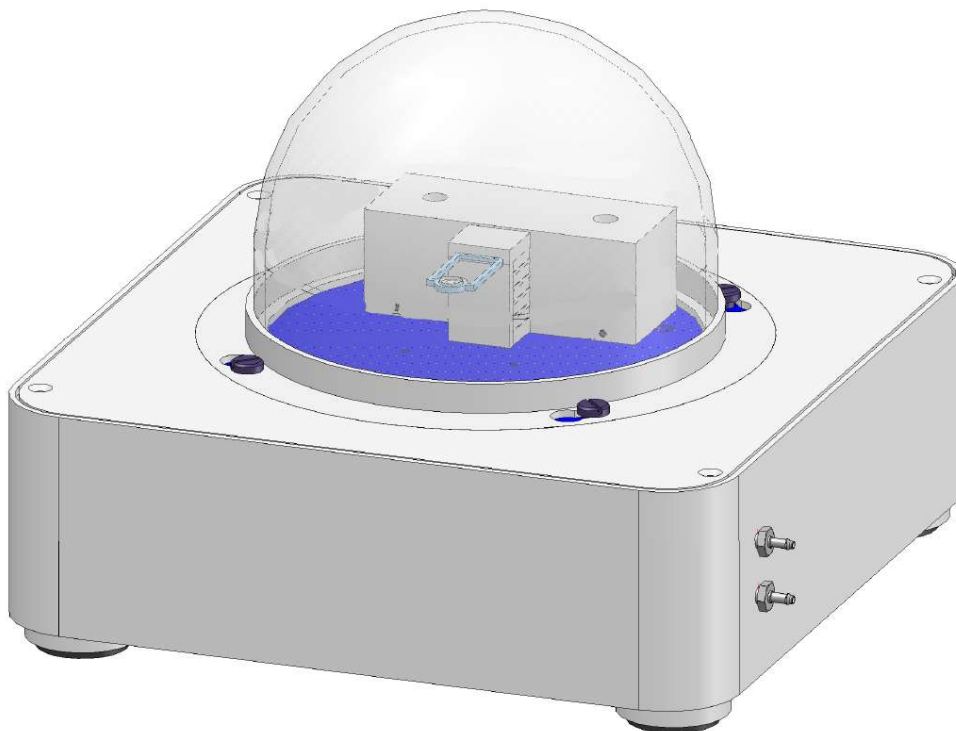


# How To Handle video option with Chip DSC



Linseis Messgeräte GmbH

Gerlach

Stand: 18.03.2020

## Index

- 1. General information.....3
- 2. Prepare the Hardware .....3
  - 2.1 Requirements.....3
  - 2.2 setup the camera .....3
- 3. Prepare the sample.....4
  - 3.1 General.....4
- 4. Run a measurement .....4
  - 4.1 setup measurement settings.....4
  - 4.2 setup video settings .....4
- 5. Evaluate your measurement .....5
  - 5.1 usage in evaluation software .....5
  - 5.2 other usage .....7

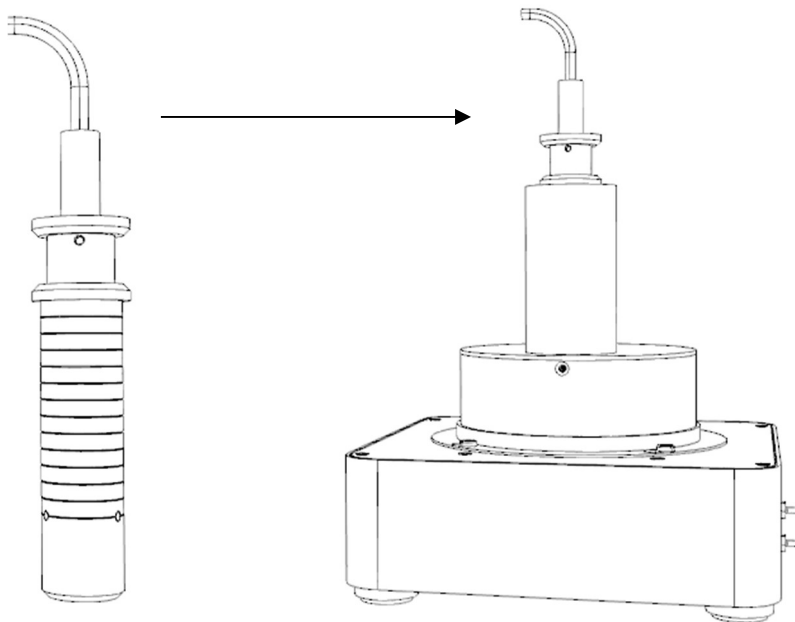
## 1. General information

This manual is a short description for handling the video option for the Chip DSC. The presented applications are just a few to show some possibilities. For more Information, read the other available instructions about software or specific manuals for the Chip DSC.

## 2. Prepare the Hardware

### 2.1 Requirements

- Check if camera, Chip-DSC video measurement cell, USB dongle with unlocked video function are on hand
- Install the camera in the Chip-DSC video measurement cell



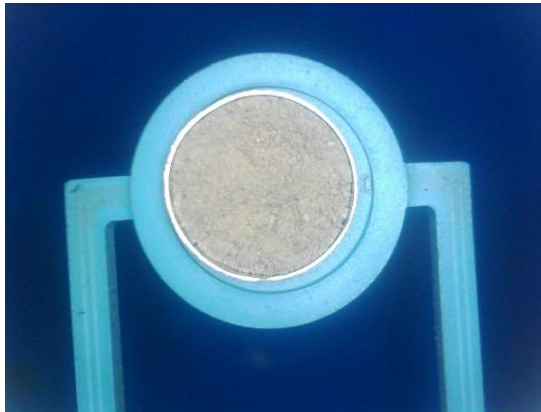
### 2.2 setup the camera

- Connect Chip-DSC with power supply and PC
- Connect USB dongle and camera with your PC
- Start your Chip-DSC measurement software
- Check in "current values" if the live view of your camera is shown (otherwise contact Linseis support)

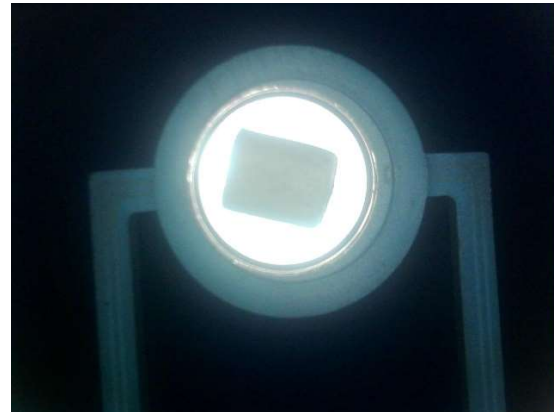
### 3. Prepare the sample

#### 3.1 General

- Chose the right crucible for your needs (standard crucible 302 93 042 is recommended). It shouldn't be sealed and there shouldn't be any reflecting surface
- Prepare your sample and fill it in your crucible. The crucible should be covered with sample as good as possible. The sample shouldn't have any reflecting surface



**right**



**wrong**

### 4. Run a measurement

#### 4.1 setup measurement settings

- Insert name, weight, sampling interval and all other general settings in measurement software
- Setup your temperature profile, with heating rate, target temperature and dwell time to your needs
- Setup additional features like Gas flow, Scheduler, temperature modulation aso.

#### 4.2 setup video settings

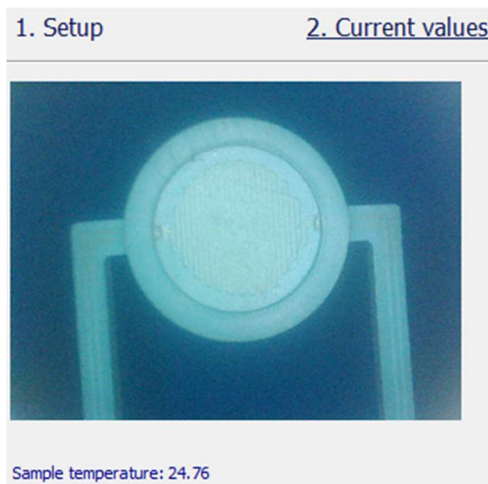
- Enable the video function by ticking

Camera

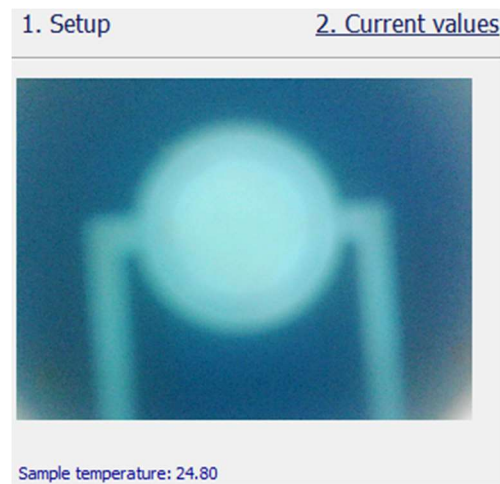
Interval:

Image directory:  ...

- Select your frame interval. It should fit to the measurement conditions and sample. For slow reactions and long term measurements use higher intervals, for fast transitions and small time measurements use lower intervals. (lower intervals take up more hard disc space)
- Select the destination for your pictures. For every measurement with the video option the software creates a new folder in your destination, signed with name and Date of your measurement
- Go to current values in measurement software and adjust the focus by checking the live view and brightness



right



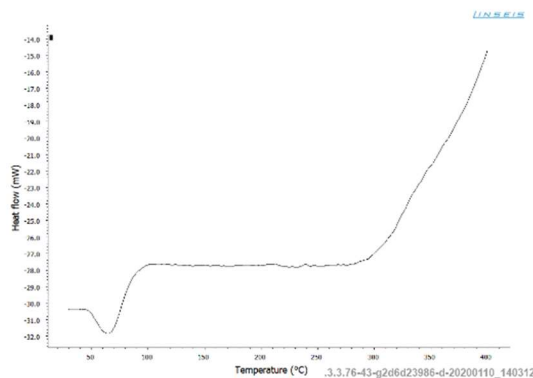
wrong

- Now you can start your measurement

## 5. Evaluate your measurement

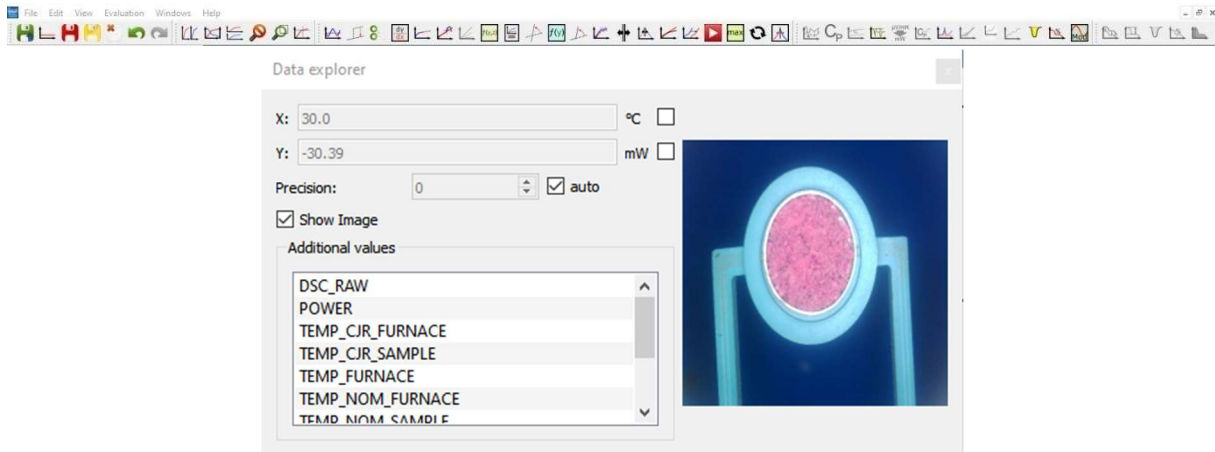
### 5.1 usage in evaluation software

- If your measurement finished, go to evaluation software and load the measurement.

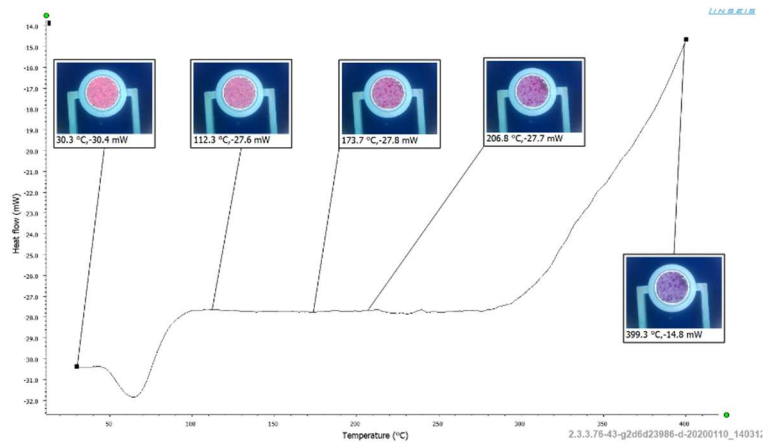


- correct your measurement and chose a view, fitting to your needs

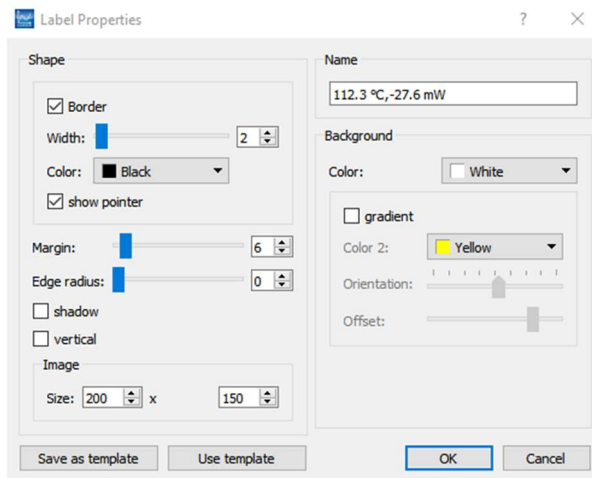
- select the "Data Explorer" function



- Enable the "Show Image" function
- add the pictures in your measurement you want to show



- you can adjust the settings of your picture and text by right click → properties



- Export or save your diagram to your wishes

### 5.2 other usage

- If you want to use the pictures with other software or in any other way you find it in your target directory
- The folders are named by name, date and time of your measurement
- The pictures are sort by number. The first picture of your measurement is called "0" Aso.