Melting Point Apparatus Eyepiece Camera
SE-6215

Introduction

The Melting Point Apparatus Eyepiece Camera is designed to work with the Wireless Melting Point Apparatus (PS-3239) and PASCO Capstone data collection software. The device can be used to collect images of a melting sample for review and analysis using Capstone's Image Analysis tools. The camera can connect to a computer via any USB port or powered USB hub with no additional setup required.

Components

- **1** Melting Point Apparatus Eyepiece Camera (SE-6215)
- **2** USB-to-mini USB cable
- **3** Storage cap (not pictured)

Get the software

You can use the camera with PASCO Capstone software. We offer a free trial of Capstone for Windows and Mac. To get the software, go to pasco.com/downloads.

If you have installed the software previously, check that you have the latest update by clicking the **Help** option from the program toolbar and selecting **Check for Updates** from the list.

Set up the hardware

Follow these steps to set up the Eyepiece Camera to capture images of samples in the Wireless Melting Point Apparatus.

1. Connect the mini USB end of the cable to the mini USB port on the back of the Eyepiece Camera.

2. Connect the USB end of the cable to a USB port or powered USB hub connected to your computer. The Eyepiece Camera should automatically be recognized by and connect to your computer. Note that this process may take several seconds or longer to complete depending on the model of your computer.

3. Insert the narrow end of the camera adapter included with the Wireless Melting Point Apparatus into the apparatus's viewing port. Secure the adapter in place with the thumbscrew on the apparatus.

4. Remove the storage cap from the Eyepiece Camera, then insert the camera into the wide end of the camera adapter. Use the thumbscrew on the adapter to secure the camera in place.

Set up the software

1. Start PASCO Capstone, then connect the Wireless Melting Point Apparatus to the software. For more information on this, see the manual for the apparatus.

2. Select **Melting Point** from the **Tools** palette.

3. Click the **Properties** ⚙ icon next to the default camera name to open the Properties menu.

4. Open the **Movie Recording** folder, click the box next to **Video Recording**, and select **MD100** from the dropdown list. Click **OK** to close the Properties menu.

5. In the profile, add a **Start Image Capture** step at the point where you want the camera to begin recording images, then add a **Stop Image Capture** step at the point where you want image capture to end. (For more information on using the profile, see the Wireless Melting Point Apparatus manual.)

   > ✎ **NOTE:** The **Start Image Capture** step should be placed close to where you expect the sample to begin melting. Placing the step too early in the process will result in unneeded images that will greatly increase the experiment's file size.

6. Select the Start Image Capture step, then enter a value in seconds (minimum 5) for the time between image captures into the **Image capture interval** text box.

7. Double-click **Image** in the **Displays** palette to create a new image display alongside the graph display.

8. In the image display, select **Image Sequence**, then click the **<Select Measurement>** box and select **Melting Point Images** from the list.

9. Click **Record** 🔴 to begin collecting data.

Upon beginning data collection, the program will automatically record images at the specified sample rate during the selected range. If your image capture interval is greater than 5 seconds, the image display will also show a live preview of the Eyepiece Camera. Once an image sequence has been captured, you can use the playback controls to replay the sequence at any time. For more information on the image display and playback controls, see the PASCO Capstone online help.

Software help

The PASCO Capstone Help provides information on how to use this product with the software. You can access the help from within the software or online.

Software: Help > PASCO Capstone Help

Online: help.pasco.com/capstone

Technical support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to answer your questions or walk you through any issues.

⬜ Chat	pasco.com	
📞 Phone	1-800-772-8700 x1004 (USA)	
	+1 916 462 8384 (outside USA)	
✉ Email	support@pasco.com	

CE statement
This device has been tested and found to comply with the essential requirements and other relevant provisions of the applicable EU Directives.

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