

# Downloading Data with the DataView® PowerPad® III Control Panel

By Mike Van Dunk

All data sessions stored on a PowerPad III instrument can be downloaded to a computer running DataView with the PowerPad III Control Panel. In addition to recorded measurements, this data can consist of:

- **Photographs** are "snapshots" taken using the CAMERA button on the instrument. Each contains the data being measured by the instrument at the moment the CAMERA button was pressed.
- **Alarms** are events in which the instrument records a measurement that meets the criteria that define an alarm condition.
- **Transients.** Similar to alarms, these are short-lived events in which the instrument records a measurement that meets the criteria defined in the Transients tab of the Configure Instrument dialog box.
- **Inrush** is data associated with inrush events, such as starting a motor, as defined in the Inrush tab of the Configure Instrument dialog box. Note that Inrush is not available for the Model 8333.
- **Monitoring** is data recorded to monitor the system under test for compliance with EN 50160, a European-based standard designed to specify acceptable voltage characteristics of electricity supplied by public distribution systems.



Downloaded data files are saved on the computer's hard drive with the file extension .icp. To view a list of data sessions currently stored on the connected instrument, open the Control Panel and select **Recorded Sessions** under the instrument's name in the navigation frame. A list of stored data sessions is displayed in the data frame.

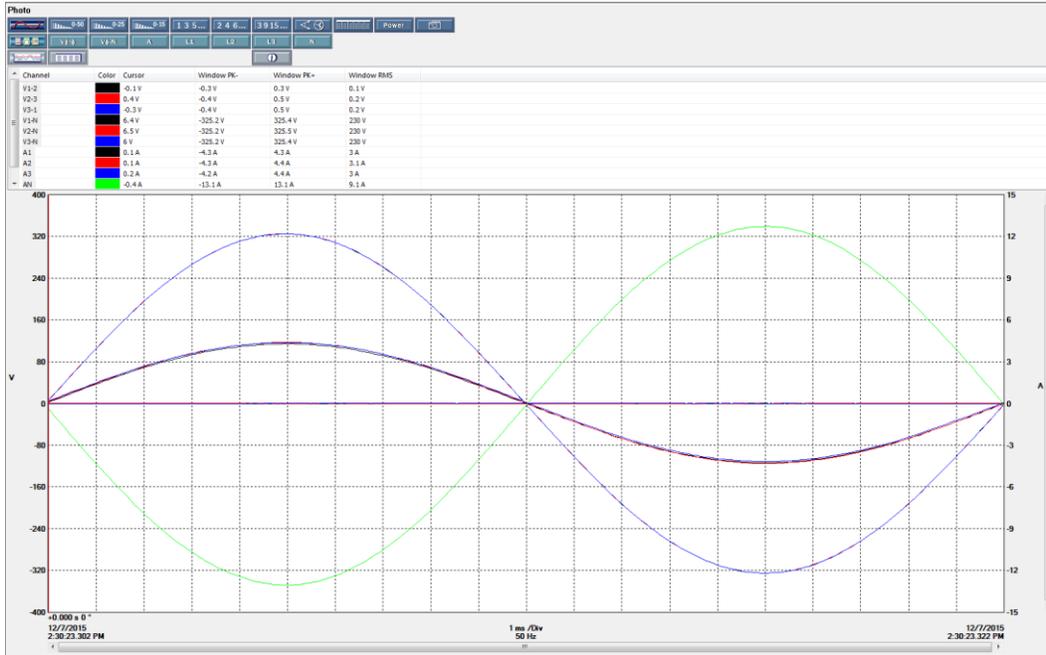
Model 8336	Recorded Sessions	Real-time Data	My Campaigns
Session type	Name	Date Started	Time Started
Recording	TREND	9/21/2015	12:20:00 PM
Recording	TREND2	9/22/2015	9:14:00 AM
Recording	TREND3	9/22/2015	1:41:00 PM
Recording	TEST1	12/9/2015	12:30:00 PM
Recording	TEST2	12/9/2015	1:20:00 PM

There are multiple ways to download data sessions from the instrument:

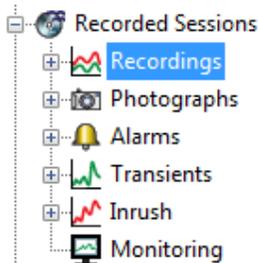
- Download an individual session.
- Download all sessions of a specific type (recordings, alarms, and so on).
- Download all sessions via the Control Panel.
- Download all recorded data directly from the instrument's SD card (this option is not available for the Model 8435).

## Downloading Individual Sessions

1. In the Control Panel, select Recorded Sessions in the navigation frame.
2. In the data frame, double-click the session to be downloaded.
3. A status bar appears indicating the progress of the download. When complete, the session's data appears in the data frame.



**NOTE:** You can also download an individual session by opening the Recordings, Photographs, Alarms, Transients, Inrush, or Monitoring sub-folders in the Recorded Sessions folder.



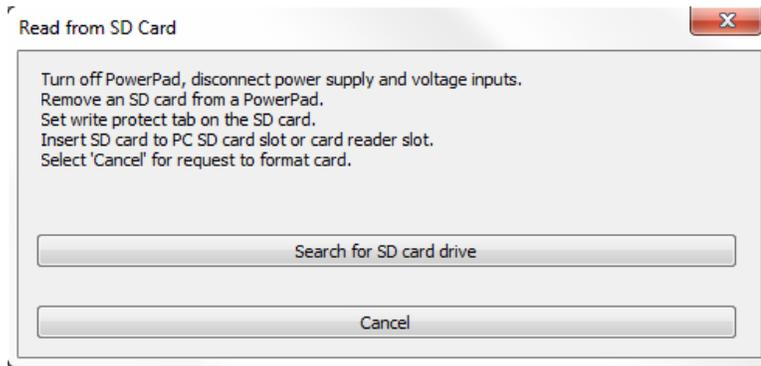
Each of these folders may contain recorded sessions of a specific type.

## Downloading Sessions by Type

1. Select the sub-folder containing the session type you want to download. For example, to download all photos, highlight the Photographs sub-folder in the navigation frame.
2. Click Instrument from the menu bar and select **Download Recorded Data**.
3. The message **Do you want to download all data of type Photo?** appears. Click **Yes** to confirm. (If you select a different session type, its name appears in place of “Photo” in the previous message.)
4. The recordings are downloaded. When finished, the Downloads screen appears.



3. In the Control Panel, click **File** in the menu bar and then click the option **Read SD Card**. This displays the Read from SD Card dialog box.



4. Click **Search for SD card drive**. The Control Panel searches the computer for any removable media, and displays a drop-down list of any it finds.
5. Select the drive letter of the SD card, and click **Read from SD card**. The Control Panel copies the contents of the SD card into a Control Panel (.icp) file, and opens the file in the My Campaigns folder.
6. If the SD card data includes a Monitoring/EN50160 test, you are now asked whether or not you want to download the complete test. If you answer yes, the next time the Control Panel is connected to the same instrument; it will download the part of the monitoring test data that is not on the SD card, and combine it with the part that is on the SD card. If you answer no, it will open the recording as if it were a simple trend, without the rest of the Monitoring/EN 50160 test data.
7. Remove the card from the computer.
8. Move the card's write protect lock tab back to the unlocked position (towards the metal tabs).
9. Slide the card back into SD card slot of the instrument until it clicks and locks in place.

For more information about the PowerPad III product family, consult the AEMC web site ([www.aemc.com](http://www.aemc.com)).

*About the Author:*

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