

# How do I perform a backup and restore of the eGauge data?

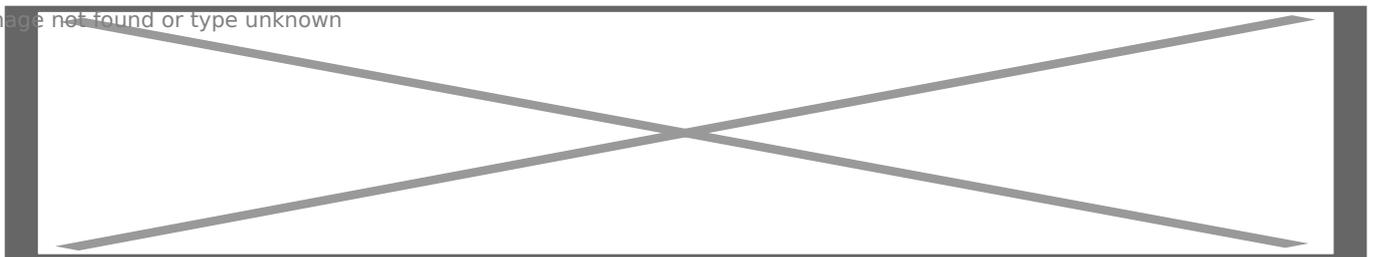
The eGauge meter has the ability to back up data recorded on the device, and restore it to any eGauge meter with the same register configuration. This includes eGauge meters from different hardware revisions - for example, a backup file from EG30xx hardware can be applied to EG4xxx or eGauge2 hardware. The register configuration must be **identical** (including spelling, capitalization, spacing, etc). Registers that do not exist on the destination device will be ignored, and registers that **do not have a match in the backup file** will be overwritten with zeros.

**For saving data to a spreadsheet**, please see our [video tutorial](#) on exporting data as a CSV file. Note that a backup file cannot be viewed or edited directly.

**To save a backup to a USB device**, please see our article on [USB Export Functionality](#).

The backup tool is found in **Tools > Backup**. From here, you can choose whether to perform a full backup, or partial backup. If performing a partial backup, choose the time range for the data to be backed up from. The backup file will be named backup-**DEVNAME**.bin where **DEVNAME** is your [eGauge device name](#). This file is only used for restoring data to the eGauge; it cannot be processed or modified. CSV and .bin files are **not** interchangeable.

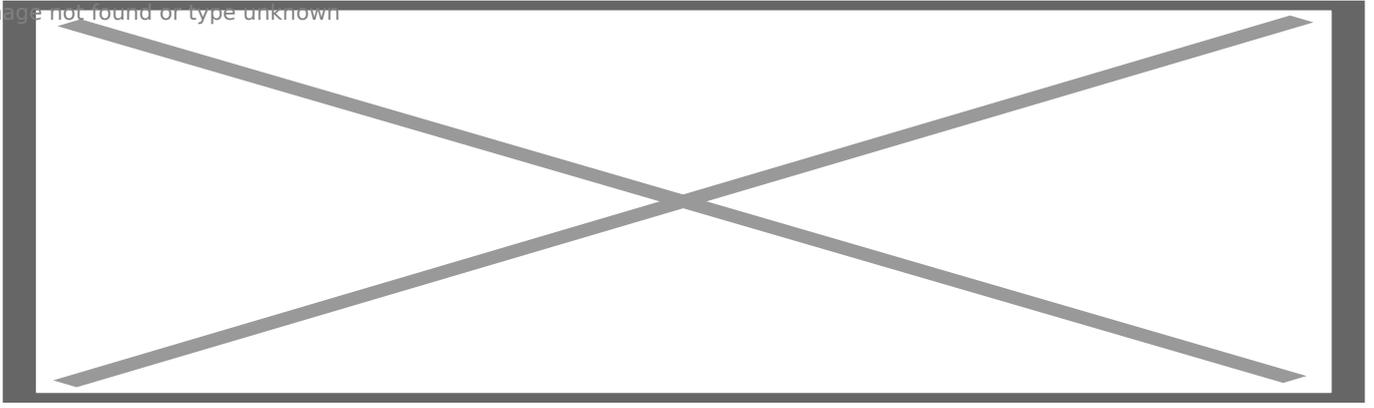
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Backup page

To restore a backup file, navigate to **Tools > Restore**. From here, you can choose a full restore (all data in the backup file is restored), or a specific range. When choosing full restore, note that the backup file will overwrite any data on the device. This means if the backup file includes a date range where the eGauge has blank data (eg, prior to configuration, or due to a power outage), this blank data will overwrite potentially valid data in the same time period on the device.

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### Restore page

If uncertain about how much data is in the backup file, only restore the range of data necessary (ie, the data that is missing).

If restoring fails or hangs, please attempt the restore from the same LAN the eGauge resides on. This is done by using a computer connected to the same network as the eGauge, and clicking on **LAN Access** in the top right of the main graph page before performing the restore.

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Please visit [kb.egauge.net](http://kb.egauge.net) for the most up-to-date documentation.