# Set up a Data Tagging Group

## Introduction

The data tagging is a useful tool that allows the user to filter the measurements and visualize them in a specific plot according to a certain tag assigned to the point. The tag is valid under a certain period of time and it can be used in applications where it is needed to measure and analyze equipment under certain conditions, like in the paper or the steel industry where it is needed to produce different qualities of product. It is a key method of organizing measured data.

This application note contains a brief procedure on how to set up data tagging groups in SKF @ptitude Observer and how to use them with a practical exercise. The procedure covers:

- How to create data tagging groups and tags
- How to create a data tag point
- How to check different groups of data according to different tags

## Procedure

**1** In order to create a data tagging group, follow the steps below.

- From SKF @ptitude Observer, go to the **Database** menu and select **Libraries / Data tagging group**
- In the **Data tagging group** window, click **New** (→ **fig. 2**).
- Enter an appropriated **Name** and **Description** for the new group and click **OK** (→ **fig. 3**).
- Repeat the above steeps to create as many groups as you need.

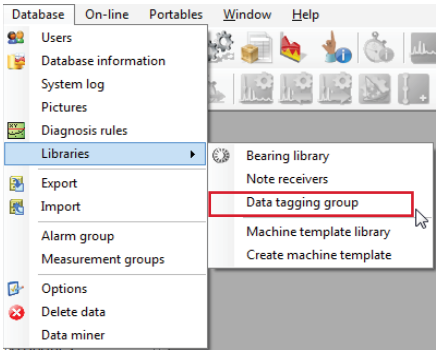


*Fig. 1. Select Data tagging group.*

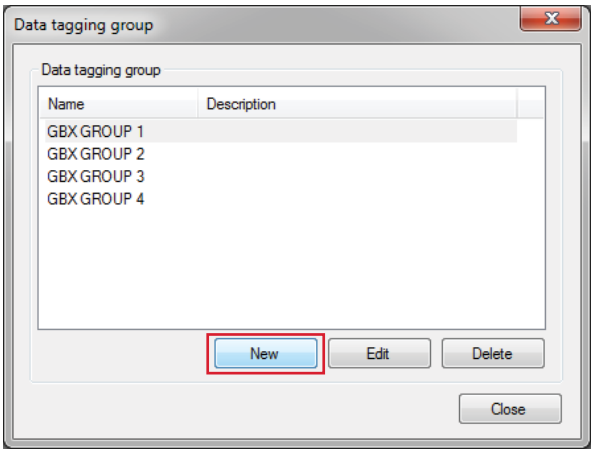


*Fig. 2. Create a new data tagging group.*

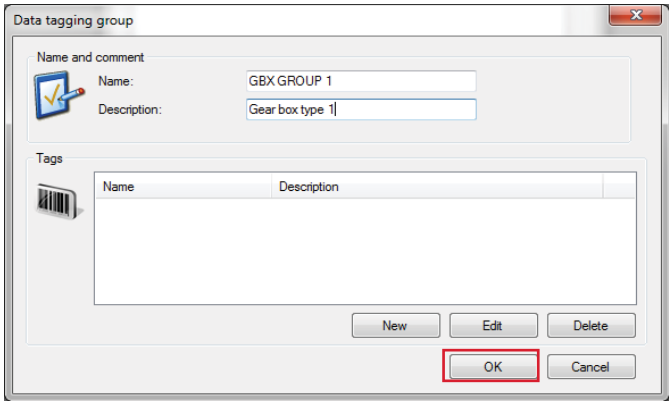


*Fig. 3. Enter a name and description of the data tagging group.*

**2** In order to create a tag, follow the next steps:

- Once the new tagging group has been created, click **New** in the **Tags** area (→ **fig. 4**).
- Enter the **Name** of the tag and an appropriated **Description** and then click **OK** (→ **fig. 5**).
- Repeat the process for as many tags you need in all of the data tagging groups previously created (→ **fig. 6**).

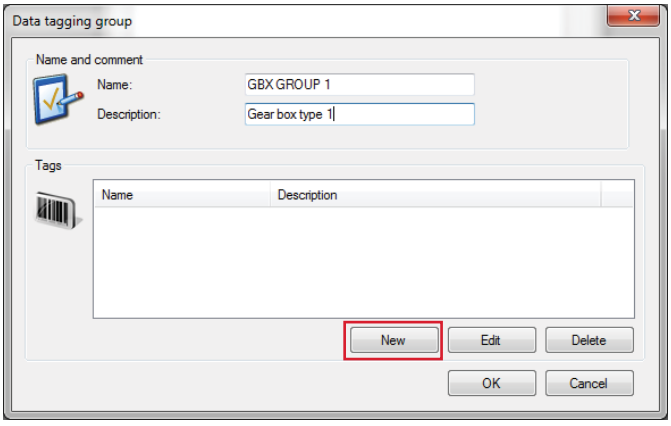


*Fig. 4. Create a new tag.*

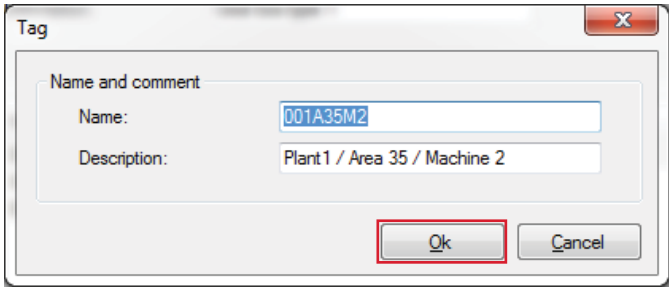


*Fig. 5. Enter the name and description of the tag.*

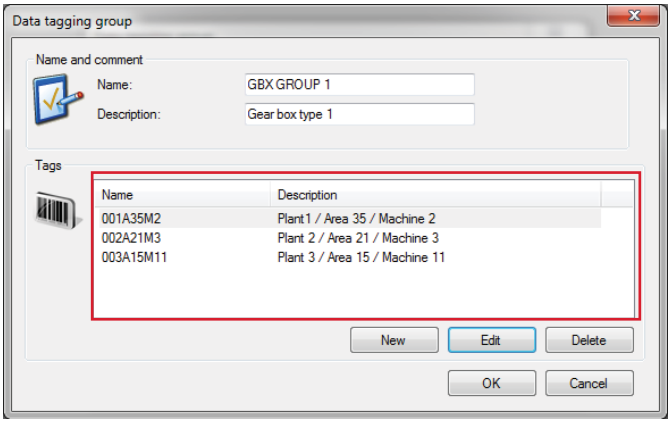


*Fig. 6. Create as many tags as needed.*

**3** Once you create data tagging groups and tags, follow the next steps:

- Go to the needed machine and add a measurement point (→ **fig. 7**).
- Select a software / data tagging measurement point type and click **OK** (→ **fig. 8**).
- Give the point an appropriate name and description (→ **fig. 9**).
- Select the needed data tagging group and click **OK**.

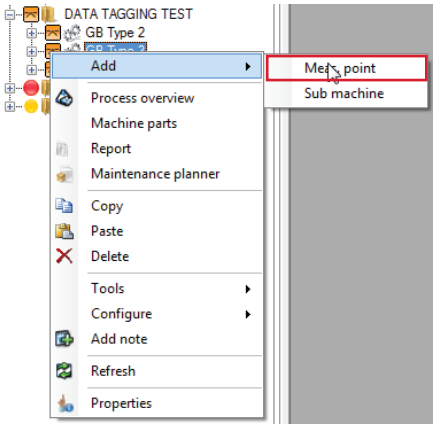


*Fig. 7. Add a measurement point.*

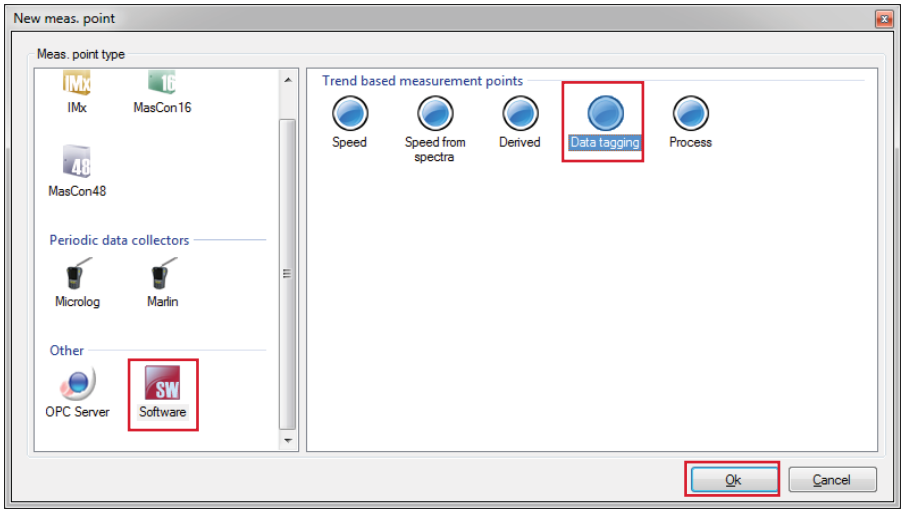


*Fig. 8. Select a software / data tagging measurement point type.*

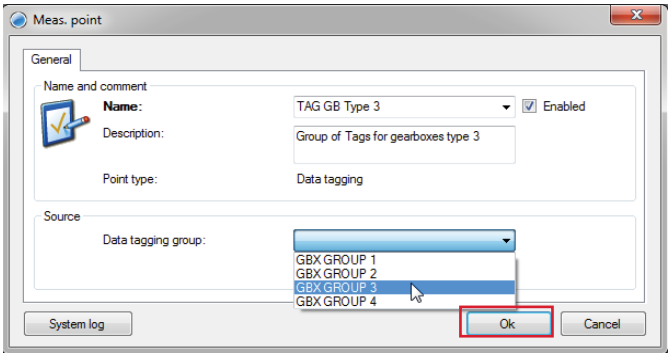


*Fig. 9. Give the point a name and description.*

**4** Once the data tagging point is created, you are now able to do tags according to your needs following the next steps:

- Select the data tagging point and open the **Meas. data** window (**→ fig. 10**).
- In the **Meas. data** window, click **Add** and then select the tag (**→ fig. 11**).
- Set the date when you need the tag to be valid (**→ fig. 12**) and click **OK**.

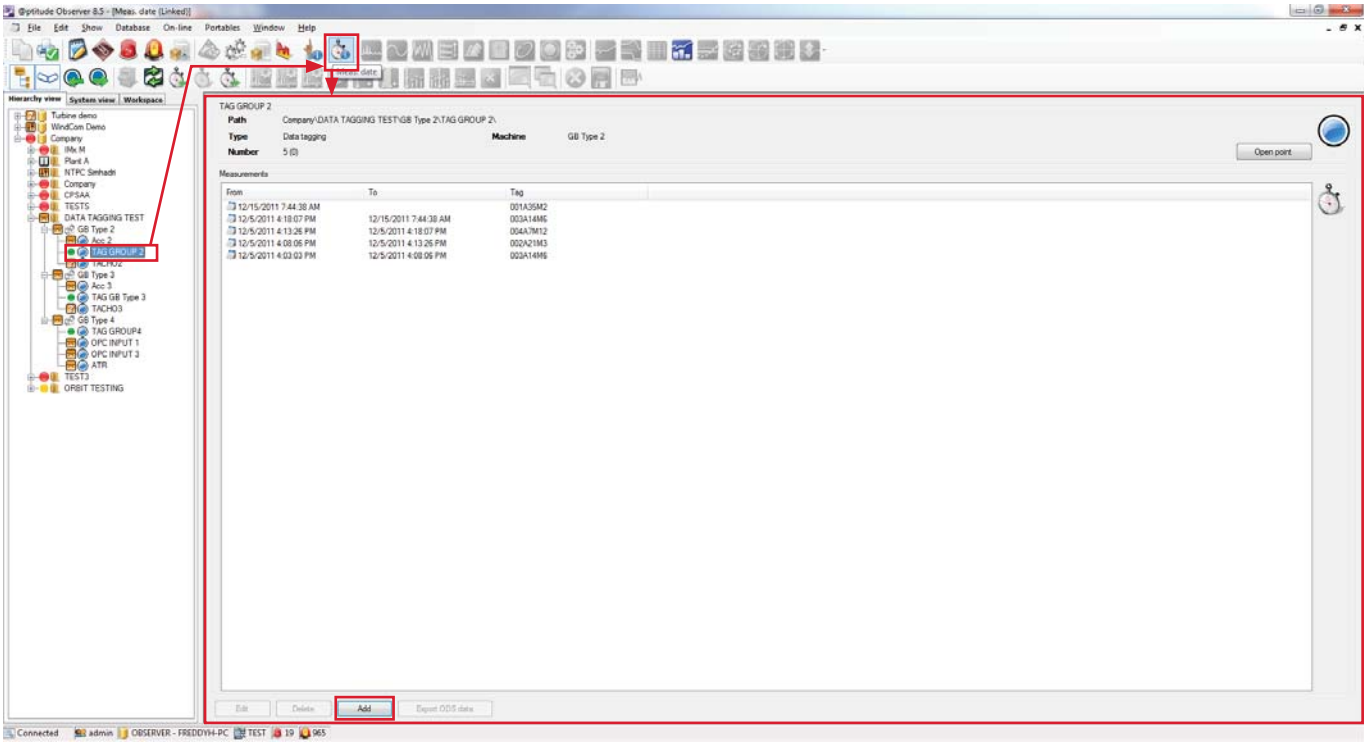


*Fig. 10. Meas. data window.*

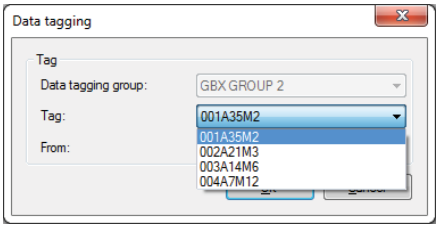


*Fig. 11. Select the tag.*

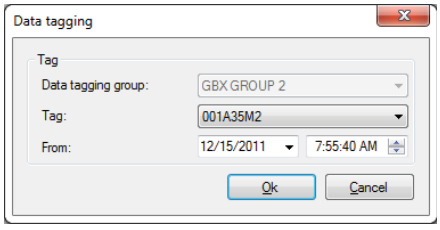


*Fig. 12. Set the date for when the tag is valid.*

The **Meas. data** window will have a list with all tags that have been created and their validity dates. A tag will be valid until you create a new one.

**5** If you want to see measurement data saved in each data tagging group, proceed with the following steps:

- Go to the needed point and open a trend plot.
- Open the buffer option, select **Data tagging** and click the selection button (**...**) (→ **fig. 13**).
- In the **Data tagging filter** window, click the selection button (**...**) for the **Data tagging node** (→ **fig. 14**).
- Select the data tagging point and click **OK** (→ **fig. 15**).
- Finally, select the tag and click **OK** (→ **fig. 16**).

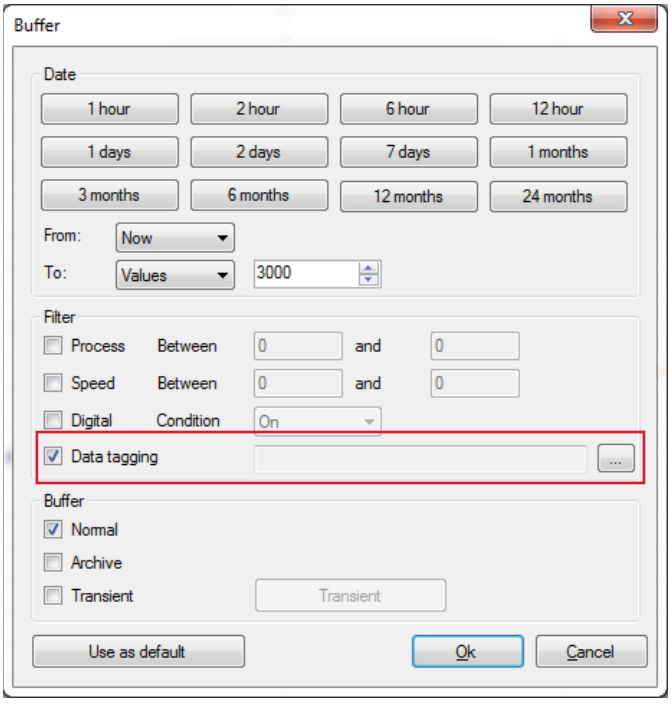


*Fig. 13. Buffer window.*

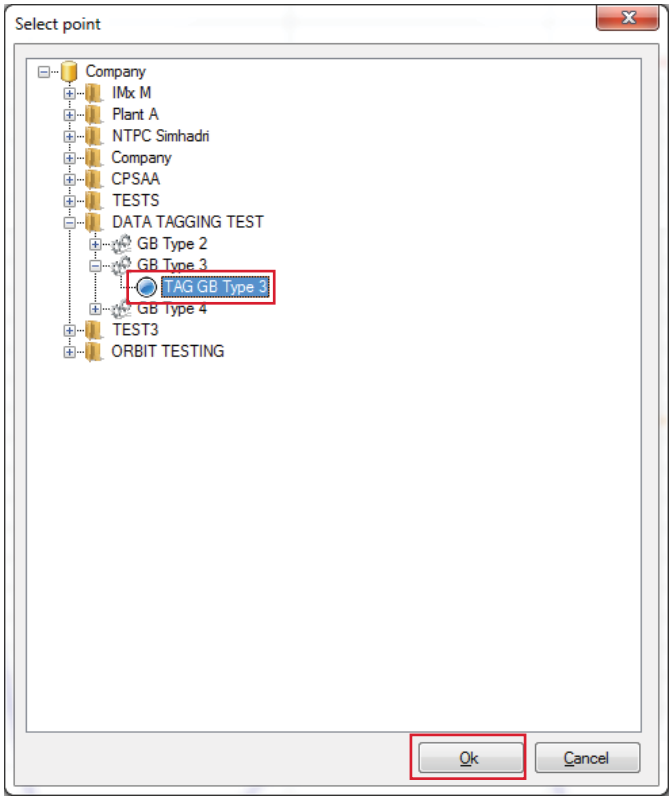


*Fig. 15. Select the data tagging point.*

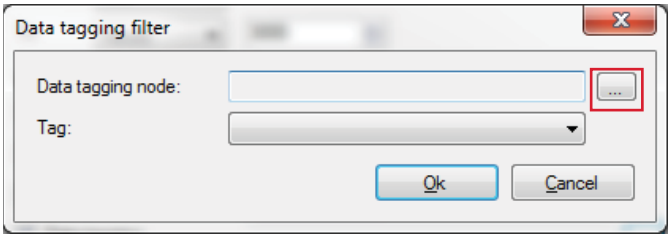


*Fig. 14. Select the data tagging node.*

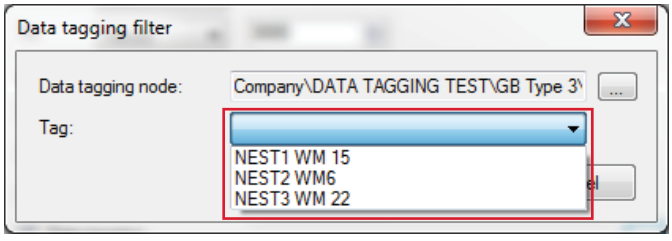


*Fig. 16. Select the tag.*

In **figs. 17** to **20** you will find examples with different tags extracted from the same trend.

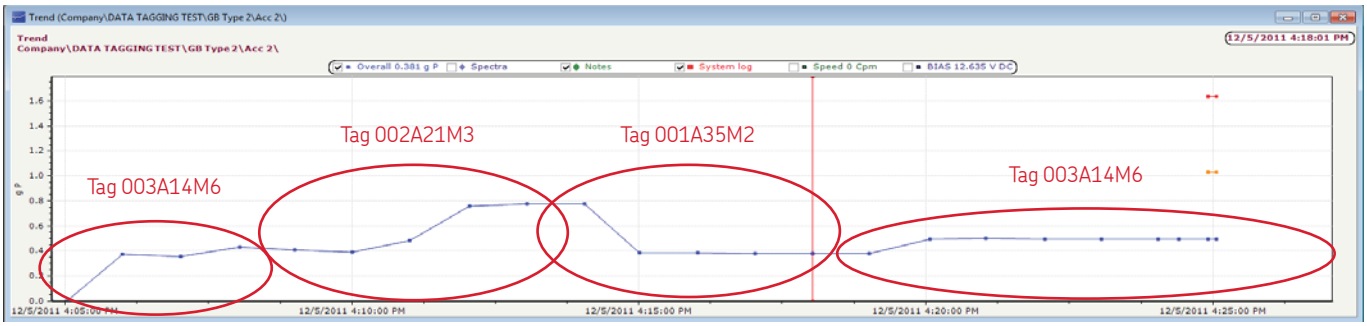


*Fig. 17. Trend without tag filtering.*

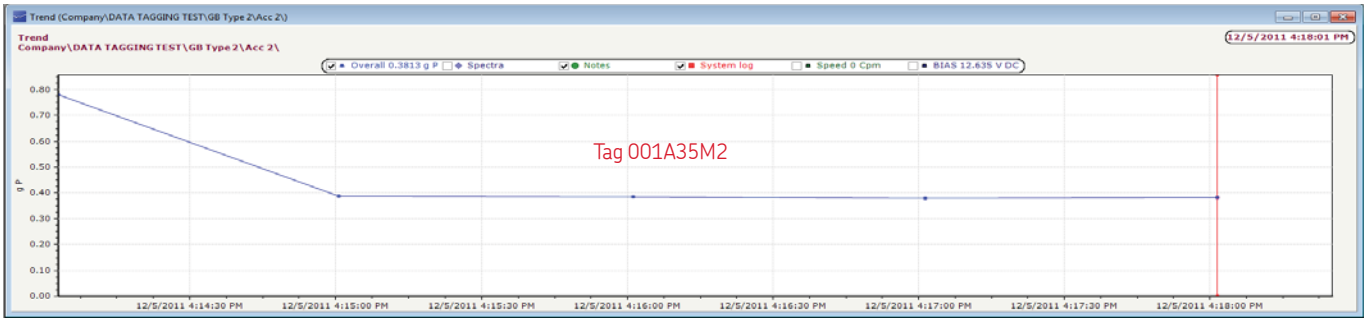


*Fig. 18. Trend for tag 001A35M2.*

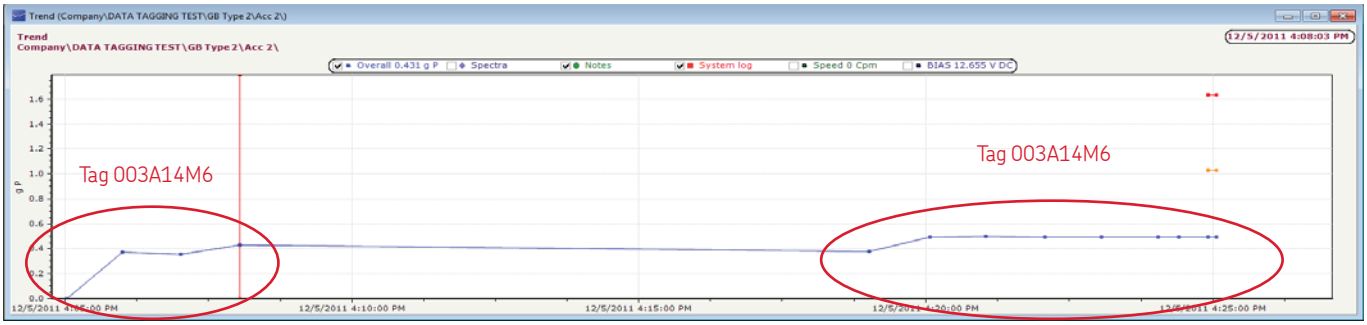


*Fig. 19. Trend for tag 003A14M6.*

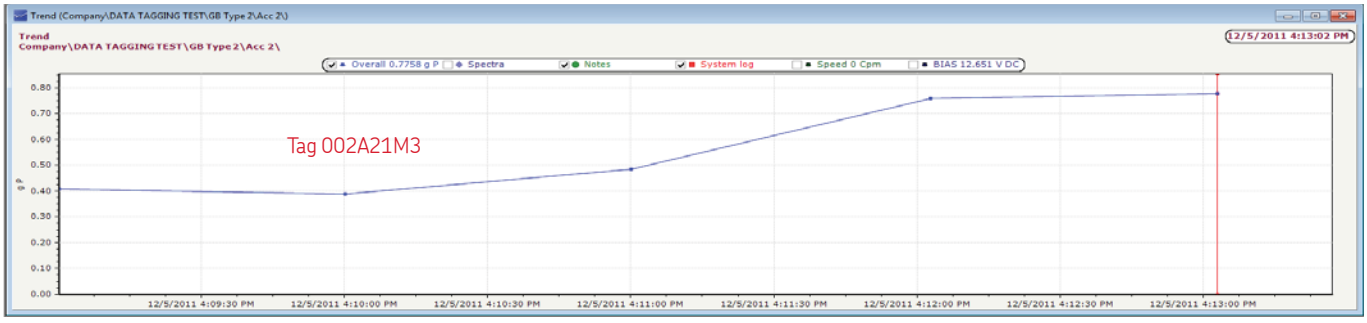


*Fig. 20. Trend for tag 002A21M3.*

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