

TPS Instruments Newsletter - No.1

“Dataflow from the GeoMax ZTS600”

ZTS600 DATAFLOW

One of the most common workflows is to store the measurement data in the instrument, transfer the data to the PC and then use a processing software, like a CAD program, to visualize the data.

Especially the interface between the measured data and the third party software is critical, as here different manufactures have to work together. There are many different software packages around the world and every one has different requirements,

Below the principles of dataflow are described. For further details, please refer to the manual. Please note, that step 1 and step 2 have to be done only the first time.

1. CREATE A FORMAT TEMPLATE

A format template has to be created if the standard GSI-format or DXf-format is not supported by your PC software. To create an uploadable a format template file, you have to follow a few steps.

Select the Format Manager in GeoMax PC-Tools.

Select NEW and then the instrument type you are using. In the following option, the template type, we recommend to use the Standard option. This contains all the variables that are available. The Format Manager main screen is split into several windows. The left one contains all the information, in the upper one you place your variables and texts and in the lower one you get a preview of the data. The right window shows the available variables for the applications. The “Header” section on the left, allows entering of general text at the start of the file for each application and text for various other data. The bookmark “Export Format Strings” offers all variables, sorted by types. When selecting and assigning to an application, the format follows the settings. The ZTS600 has GSI export and DXF export as standard. Many other format templates are available.

2. TRANSFER THE FORMAT TO THE INSTRUMENT

After saving the created format the Data-Exchange Manager can be used to upload the file into a format slot at the instrument.

3. MEASURE IN THE FIELD

After uploading of the format you can measure in the field as usual. There is no need to change the measurement process.

4. TRANSFER MEASUREMENT DATA TO PC

The data transfer in a format file is as easy as the GSI-transfer and is done with the GeoMax PC-Tools Data Exchange Manager. After moving the measurements to your destination, just change, in the appearing download box the format to your format then type in the name of the output file.

5. ANALYSE THE DATA

The measurement file can be opened in PC software either by double-clicking on the transferred file or by opening the software and importing the file.