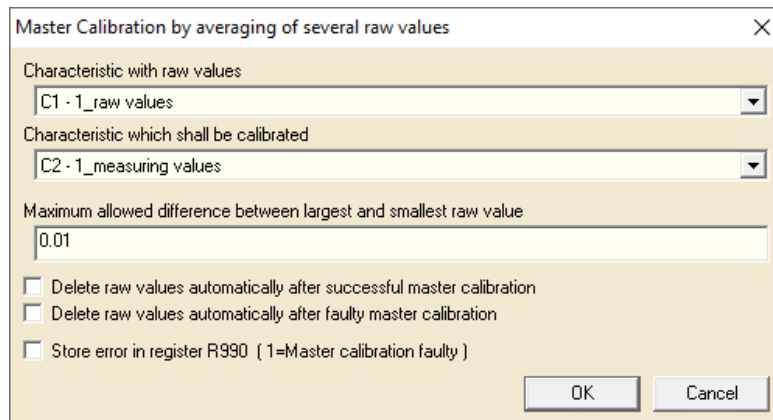


1. Introduction

The ComGage test step function “Master Calibration by averaging of several raw values” allows to execute a master calibration with the average of several raw values, instead of one single raw value. This may increase the accuracy of the base for a master calibration and allows the output of an error message if the values are not sufficiently reproducible (e.g. because of a loose probe tip). The needed raw values have to be saved in an auxiliary characteristic.

2. Configuration

The test step function is created within a test step. By clicking the Setup button, the following dialog will be opened :



This dialog allows to configure the following settings :

Characteristic with raw values

Here the characteristic has to be selected that is used to save the raw values before the master calibration, using the function “Save measured values”. This must not be the characteristic which shall be calibrated.

Note : Before saving the new raw values, all saved values of this characteristic should be deleted. This can be done with the function “Delete all measured values” or the options below.

Characteristic which shall be calibrated

Here the characteristic has to be selected that shall be calibrated and used for the measurement.

Maximum allowed difference between largest and smallest raw value

Here the allowed range from the smallest to the largest raw value can be entered to ensure a sufficient reproducibility of the measured values.

Caution : When entering the range, a decimal point has to be used, no comma.

Delete raw values automatically after successful master calibration

If this option is activated, the saved raw values are automatically deleted after a successful master calibration.

Delete raw values automatically after faulty master calibration

If this option is activated, the saved raw values are automatically deleted after a faulty master calibration.

Store error in register R990 (1=Master calibration faulty)

If this option is activated, the register R990 is set to a value of 1 after a faulty master calibration. So this register can be used for the sequence control.