



Value Range

After activating a grade via the related checkbox, the upper and lower limit of the value range for this grade can be entered here.

Attention : For a correctly working grading, the measuring value ranges of the activated grades are not allowed to overlap !

Output

After activating a grade via the related checkbox, the number of the grade can be entered here. The special measurement mode outputs this number as measuring result for the characteristic with measurement mode “Grading mode”.

- Notes :**
- The measuring value ranges of the grades are allowed to vary in their size.
 - The measuring results (= Output) can be any numbers.
 - If the measuring value is not in one of the grades, the characteristic outputs the measuring value “---” on the display (saved value = 1000000000000000).

3. Using the special measurement mode

The current measuring value of the characteristic with this special measurement mode is always the number of the grade in which the value of the reference characteristic lies.

That means the grade can be saved like any other measuring value, can be used for the sequence control and displayed on the screen :



The register R700 can be used in running test schemes / test orders to edit single measuring value ranges. For this, the register has to be set to a value from 1 to 28, depending on which measuring value range shall be edited. After the register value is set, a dialogue window opens where first the lower grading limit and then the upper grading limit can be entered :

The image shows two sequential dialog boxes for setting grading limits. The first dialog box is titled 'Lower Grading Limit' and has a text input field containing '0'. Below the input field is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a '<=' button. An 'OK' button is at the bottom right. The second dialog box is titled 'Upper Grading Limit' and has a text input field containing '0.01'. It has the same numeric keypad and 'OK' button. An arrow points from the first dialog box to the second.

Afterwards, the register R700 is automatically reset to a value of 0.

If the register R700 is set to a value of 99, the registers R701 to R756 are filled with all grading limits :

R701 = lower limit of grade 1

R702 = upper limit of grade 1

R703 = lower limit of grade 2

R704 = ...

Afterwards, the register R700 is automatically reset to a value of 0.

Note :

After a measuring value range has been edited, the registers R701 to R756 are automatically filled with the current grading limits, too.