

# HI\_SetGraphAxisRange

## %HI\_SetGraphAxisRange function

Function

The function sets the range of given axis of graph / XY graph connected in displayer of [Graph](#) or [XY Graph](#) types ([Control function](#)).

Declaration

```
%HI_SetGraphAxisRange(  
    INT in refId,  
    INT in axisNr,  
    REAL in _low,  
    REAL in _high  
)
```

Parameters

refId	Reference to displayer ( <a href="#">reference variable</a> ).
axisNr	Axis serial number.
_low	Range begin.
_high	Range end.

Description

The function sets the range of the axis specified by the parameter *axisNr*. If *axisNr*=0, the function sets the range of the X-axis. Axis range is defined by the parameters *\_low* and *\_high*.

If both parameters are valid, the axis type is static.  
If both parameters are not valid, the axis type is fully dynamic.  
If *\_low* is valid and *\_high* is invalid, the axis type is dynamic maximum.  
If *\_low* is invalid and *\_high* is valid, the axis type is dynamic minimum.

Note

The set parameters are round to meaningful values regarding the range of values and a space to display an axis. When changing value 100 to one point on y-axis, setting of the thousands is meaningless. E.g. the range of 1243.7578624..5876.2897238 can be modified to the range 1000..6000.

 **Related pages:**

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[Function arguments - types](#)