

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 (reference variable).
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:

- [Graphic object manipulation functions](#)
- [Function arguments - types](#)