

# ARC\_GetValue

## %ARC\_GetValue function

Function

The function gets the value of the specified object of [Historical value](#) in defined time.

Declaration

```

REAL %ARC_GetValue(
    in archObject
    TIME in time
    BOOL in exact
)

```

Parameters

arch Object	Name of object of the <a href="#">Historical value</a> type.
time	Archiving time.
exact	<p>The parameter is important in periodical archiving - defines the behaviour of the function if the archive database does not contain a value with the time specified by the parameter <i>time</i>. Possible values:</p> <ul style="list-style-type: none"> <li>• @TRUE - the function returns invalid value,</li> <li>• @FALSE - the function retrieves the value with nearest older time.</li> </ul>

Example

The statement in the example below calculates the difference between current value of the object *H.Arch1* and its value a minute ago.

```

H.Arch1 - %ARC_GetValue(H.Arch1, %NewTime(@EvalTime,0,0,0,-60), @FALSE)

```

Note

The system constant [@EvalTime](#) - [more information](#).



**Related pages:**

- [Functions for calculated historical values](#)
- [Function arguments - types](#)