

## TotalOverTimeWithReset

This function returns the total of all values since the function was reset.

### Syntax

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**TotalOverTimeWithReset** ( number, valueTimestamp, resetOption, doReset [optional])

### Remarks

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The number parameter specifies the data value for which the total is calculated. The valueTimestamp is the timestamp for this data value. (The [Timestamp](#) function can be used to obtain this timestamp.) The resetOption specifies when the total will be reset. This parameter must contain one of the following predefined constants: RESET\_HOURLY, RESET\_DAILY, RESET\_WEEKLY, RESET\_MONTHLY, RESET\_YEARLY, or RESET\_CUSTOM. For example, RESET\_MONTHLY will cause the total to be reset whenever there is a change in the month in the value's timestamp. RESET\_CUSTOM will cause the total to be reset whenever the doReset parameter is set to a non-zero value.

Any value that evaluates to -INF, INF, or NAN will be ignored. If there are no valid values stored, this function will return NAN.

### Examples

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#### Example #1

The following example will return the total of the variable Rain. The value will be reset at the beginning of each day:

```
TotalOverTimeWithReset("Server:CR1000.Hourly.Rain",TimeStamp("Server:CR1000.Hourly.Rain"),  
Reset_Daily)
```

#### Example #2

The following example will return the total of the variable Rain. The value will be reset on October 01.

```
TotalOverTimeWithReset("Server:CR1000.Minute.Rain",TimeStamp  
("Server:CR1000.Minute.Rain"),RESET_CUSTOM,  
ToInt(FormatTime(TimeStamp("Server:CR1000.Minute.Rain"), $"%m%d%H%M")) = 10010000)
```