

OConv Masked Scientific (MS) Function

Description

Converts from internal storage format to scientific notation.

Syntax

```
output = OConv (string, "MS [e mm] [ , ]")
```

Parameters

OConv (MS) takes the following arguments for its parameters.

Parameters	Description
String	Must be either a number or a variable that contains a number. The value can be a decimal number. If string is not a number, 0 (zero) is returned.
MS	Indicates a scientific notation conversion.
E	Indicates the number of digits in the power of 10 to which the number is raised. The default is 2. The maximum value is 9.
Mm	If you use the e option, you must use the mm option to indicate the number of digits in the mantissa, or the number of places following the decimal point. The default for mm is 6, and the maximum is 14. The value specified for mm may be one or two decimal digits.
, (comma)	The ", " (comma) option substitutes a ", " for the decimal point.

Example

The following table provides examples of the correct use of the OConv Masked Scientific function.

Example	Output
OConv(1.23,"MS")	1.230000E+00
OConv(-1.23,"MS22")	-1.23E+02
OConv(123,"MS15")	1.23000E+2
OConv(123456,"MS23")	1.235E+05