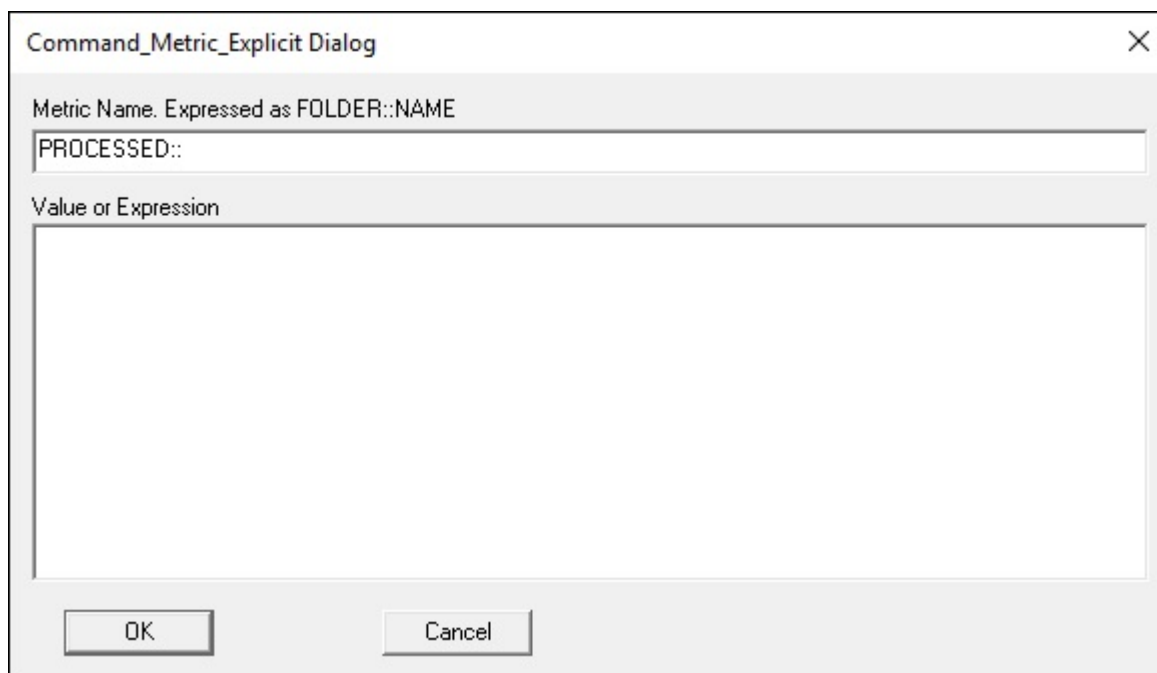


Metric Explicit

This command creates a metric signal explicitly.

```
Metric_Explicit
/RESULT_METRIC_NAME=      Name of the resulting signal
! /RESULT_METRIC_FOLDER=PROCESSED Name of the resulting folder
/METRIC_VALUE=            Component Value(s);
```



Previous versions of Visual3D labeled this command Explicit_Metric

Example

This example will create a metric signal with 3 component values of 1, 2, 3. The resulting signal will be named **NEW_SIGNAL** and be located in the **OFFSET** folder.

```
Metric_Explicit
/RESULT_METRIC_NAME= NEW_SIGNAL
/RESULT_METRIC_FOLDER= OFFSET
/METRIC_VALUE= 1+2+3;
```

Command_Metric_Explicit Dialog

Metric Name. Expressed as FOLDER::NAME

OFFSET::NEW_SIGNAL

Value or Expression

1+2+3

OK

Cancel

Result

Workspace | Signals and Events | Models | Reports | Real-Time | Simulation

+

EVENT_LABEL

+

TARGET

+

ANALOG

+

FORCE

+

COFP

+

FREEMOMENT

+

LANDMARK

+

LINK_MODEL_BASED

+

KINETIC_KINEMATIC

+

DERIVED

-

METRIC

+

PROCESSED

-

OFFSET

+

NEW_SIGNAL

+

FRAME_NUMBERS

+

HEADER INFORMATION

+

PARAMETERS

Data View

Data Values | Data Graph | Signal Processing History

NEW_SIGNAL

Copy To Clipboard

Print ASCII

Export ASCII

File	Item	0	1	2
NWalk0001.c3d	1	1.000000	2.000000	3.000000

Expressions

In early implementations of this command the values in Metric_Value were a list of components you wanted the metric explicitly set to (see example above), and expressions were not allowed.

In version 6 Metric_Value can be an expression, but this may lead to some confusion.

For example,

<https://has-motion.com/wiki/>

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```
Metric_Explicit
! /RESULT_METRIC_FOLDER=PROCESSED
/RESULT_METRIC_NAME=X
/METRIC_VALUE=1
;
```

```
Metric_Explicit
! /RESULT_METRIC_FOLDER=PROCESSED
/RESULT_METRIC_NAME=TEST
/METRIC_VALUE=METRIC::PROCESSED::X+1
;
```

The processing results for the second command are:

Metric Name : METRIC::PROCESSED::TEST
Metric Expression : VECTOR(METRIC::PROCESSED::X,1)
Metric Value : 1.000000 , 1.000000 ;
The second command be re-written as follows:

```
Metric_Explicit
! /RESULT_METRIC_FOLDER=PROCESSED
/RESULT_METRIC_NAME=TEST
/METRIC_VALUE=Add(METRIC::PROCESSED::X,1)
;
```

The processing results for the third command are:

Metric Name : METRIC::PROCESSED::TEST
Metric Expression : Add(METRIC::PROCESSED::X,1)
Metric Value : 2.000000 ;

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