

# Get Vicon Model Metric

Extracting metric values from Vicon's .MP file into Visual3D Subject/Data Metrics

## Pipeline Command

```
Get_Vicon_Model_Metric
! /CALIBRATION_FILE=
! /MP_FILE_NAME=
! /METRIC_NAMES=
! /DEFAULT_METRIC_VALUES=
! /NAME_PREFIX=V_
;
```

|                       |                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------|
| CALIBRATION_FILE      | The Link Model in which the metrics will be stored if empty or =*, the current link model is used |
| MP_FILE_NAME          | The Vicon MP file ensure it is full pathname, if empty, the user is prompted for the filename     |
| METRIC_NAMES          | The names of the metric, if empty or =*, all names in the .mp file are selected                   |
| DEFAULT_METRIC_VALUES | Default name value                                                                                |
| NAME_PREFIX           | Prefix for the given name                                                                         |

If Metric\_Values is populated, this is the default value of Metric\_Names and is used if Metric\_Names does not exist in the .MP file.

## Example

Given an MP file containing the following information:

```
$RKnee_Width = 150.0
$RFoot_Width = 100.0
$LKnee_Width = 150.0
$LFoot_Width = 100.0
```

and the command

```
Get_Vicon_Model_Metric
/CALIBRATION_FILE=*
/MP_FILE_NAME=
/METRIC_NAMES=
/METRIC_VALUES=
/NAME_PREFIX=
;
```

- The current active model will be used.
- The user will be prompted for the MP file name.
- All 4 metric values in the MP file will be added to the model subject metrics
- No prefix will be added to the names.

```
Get_Vicon_Model_Metric
/CALIBRATION_FILE=
/MP_FILE_NAME=
/METRIC_NAMES=RHip_Radius
/DEFAULT_METRIC_VALUES=0.5*DISTANCE(RIGHT_HIP,LEFT_HIP)
/NAME_PREFIX=
;
```

- RHip\_Radius is not part of the MP file
- A default metric value has been provided
- A model metric RHip\_Radius will be created (or modified)
- The value of the metric will be the expression  $0.5 \times \text{DISTANCE}(\text{RIGHT\_HIP}, \text{LEFT\_HIP})$

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