

Get Vicon Model Metric

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

Pipeline Command

The command can be found in the **Pipeline Workshop** under **Model Building** as so

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

Command Parameters

The following table shows the command parameters seen above and their descriptions:

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

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 $0.5 * \text{DISTANCE}(\text{RIGHT_HIP}, \text{LEFT_HIP})$

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