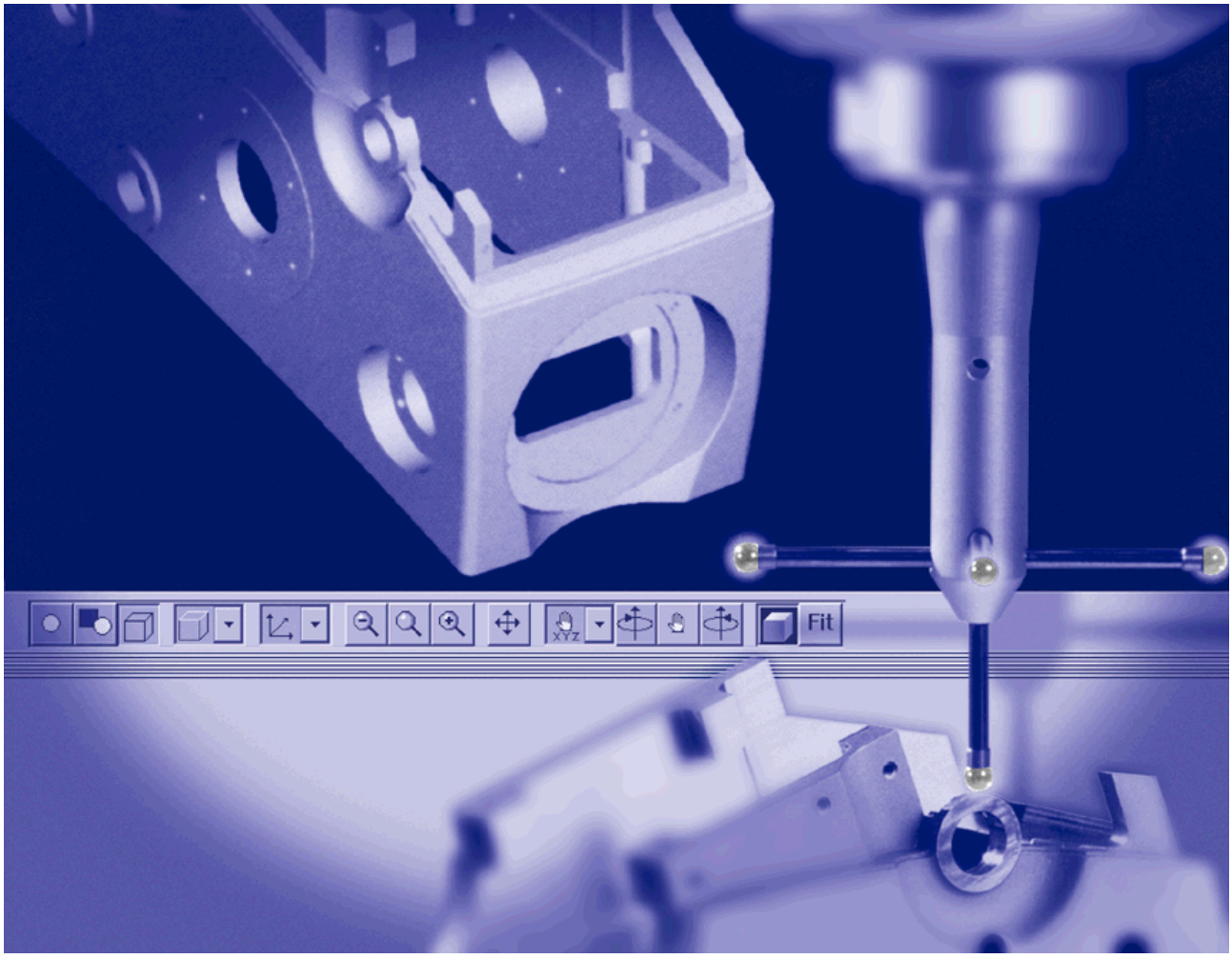


CALYPSO

Option 5

DMIS Input

Postprocessor

Operating Instructions

The design and delivered components of the CMM, its options, the program packages, and the relevant documentation are subject to change.

This manual must not be circulated or copied, or its contents utilized and disseminated, without our express written permission. Persons misusing this manual are subject to prosecution.

This manual is subject to modification. All rights pertaining to changes in the CMM and its options reserved.

Although utmost care has been taken in preparing the information given in this manual, we cannot assume any liability for its completeness and correctness, except in case of willful intent.

CALYPSO
Version 2020
Operating Instructions
2020-05-06
61212-2751802

Table of contents

Preface

Information about these operating instructions

The CALYPSO program consists of a base module and additional options for special purposes. You can customize the scope of program to fit your requirements.

These operating instructions describe an option of CALYPSO and are based on the assumption that the user is familiar with the operating instructions for the base module of CALYPSO.

NOTE

The additional CALYPSO options are described in separate manuals.

Reference information about the windows and dialogs can be found in the dialog reference in the CALYPSO Online Help.

Simply Measure – And what you should know to do it right, A metrology primer

Carl Zeiss, Industrial Metrology Division,

Order no.: 612302-9002

Text conventions

The following text conventions are used in these instructions.

Example	Description
Features	Text element of the graphics screen display.
Comment	The **Comment** button on the screen.
<machine name>	Variable text or dummy for a name.
C:\windows\w.ini	The w.ini file in the windows directory on the C:\ drive.
For this section...	A passage containing important information.

Example	Description
➢ *Preface [⇨ Preface-1]*	This is a cross reference. When viewing this manual on the screen, you will be guided to the indicated text passage by clicking the reference.
Plan → CNC-Start → Run	The **Run** command in the **CNC-Start** submenu of the **Plan** menu.
CTRL+A	Press the CTRL key and the letter A at the same time.

Icons

Three special symbols containing important information are used in this manual. The icons appear in the marginal column next to the respective text.

You will find a detailed explanation of the safety instructions under Configuration of safety instructions.

Configuration of safety instructions

Safety instructions indicate a personal health hazard. We distinguish three different levels: Danger, warning and caution. All three safety instructions are marked with the same warning symbol. The designation of the safety instruction is shown beside the symbol. The safety instructions used are described below.

Configuration of a safety instruction

A safety instruction may have the following components:

- Warning symbol and designation of the safety instruction (signal word): Danger, warning or caution.
- Source and cause of the danger
- Consequences for the user due to non-observance of the safety instruction
- Required measures to be taken by the user to avoid possible consequences
- A measure may cause an intermediate result.
- At the end of all measures, a final result may be caused.

Personal health hazard

⚠ DANGER

A »danger« indicates an imminent risk to life and limb.
Non-observance of this safety instruction when the described risk occurs causes death or serious injuries.
Example: Electric shock due to high electric voltage.

⚠ WARNING

A »warning« indicates a possible risk to life and limb.
Non-observance of this safety instruction when the described risk occurs may cause death or serious injuries.
Example: Risk of severe crushing of the body caused by heavy loads.

⚠ CAUTION

A »caution« indicates a personal health hazard.
Non-observance of this safety instruction when the described risk occurs may cause slight to moderate injuries.
Example: Risk of minor crushing of the limbs caused by small loads.

Risk of material damage

If there is no personal health hazard, but the CMM or components may get damaged, this is pointed out by the following notice.

This symbol refers to possible damage to the CMM.
Non-observance of this safety instruction when the event occurs may cause damage to the CMM or one of its components.
Example: Collision of the ram with a workpiece.

1 DMIS Import (V2) (option)

This chapter contains:

Basics about DMIS Import

CALYPSO is able to import a DMIS program and to have it converted to a CALYPSO measurement plan. To achieve this, a DMIS post processor runs and processes the DMIS commands.

The DMIS Import is an option of CALYPSO. To use this function, you need the corresponding license. Contact your Carl Zeiss Service for more information.

NOTE

Option 5 "DMIS Import" may not be confused with option 22 "PC-DMIS Import". You can use the "PC-DMIS import" option to import a program created with PC-DMIS, a Hexagon Metrology measurement program, and to have it converted to a CALYPSO measurement plan. Provided you have a licensed and executable version of PC-DMIS installed on your computer.

What is DMIS?

DMIS is called **D**imensional **M**easuring **I**nterface **S**tandard. DMIS is a programming language used for programming mechanical, optical, laser and video measuring systems. DMIS is designed to be a programming language for all or at least many measuring machines.

The vocabulary of DMIS is very large and resembles that of a genuine programming language: There are language elements for declarations and definitions of variables, loops, conditional jumps, mathematical functions, coordinate transformations, and, of course, commands for measuring machine control such as positional movements, probing, geometric elements, measurements, stylus system changes, temperature compensation, etc.

DMIS-compatible measuring machines read the DMIS commands from an ASCII file and then perform the measuring run.

DMIS and CALYPSO

A DMIS file must be imported to ensure that it can be used by CALYPSO. The translator tailored to the relevant measuring software is referred to as the "post processor", because it only becomes active after the production of the DMIS file.

The DMIS Input Postprocessor option described here is just a DMIS post processor for CALYPSO.

UMESS and CALYPSO

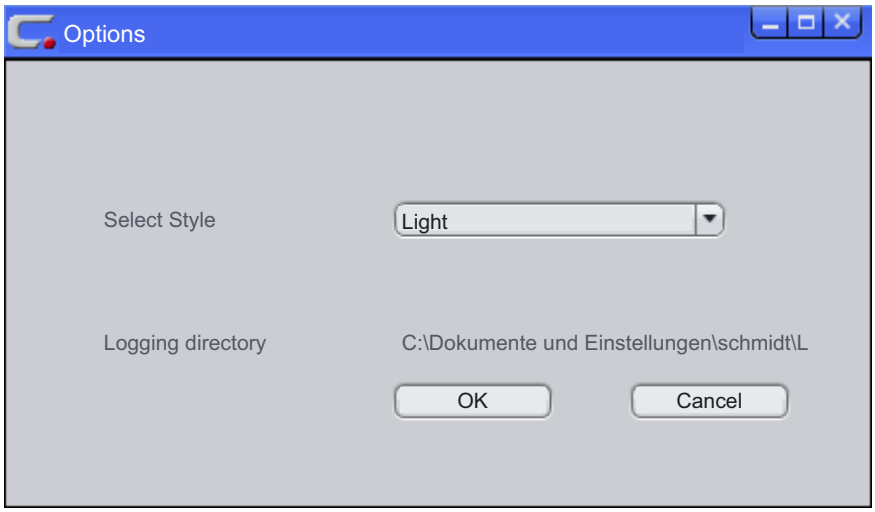
UMESS measurement plans cannot be directly converted to CALYPSO measurement plans. You can convert a UMESS measurement plan to a DMIS program first and then import this DMIS file to CALYPSO.

Configuring DMIS Import

You can make various default settings for DMIS import.

1 Select **File → Import → DMIS** and click the **Options** button in the **Calypso Converter** window.

The **Options** window is opened.



2 Define the desired appearance of the program.

3 Press **OK** to confirm.

The new setting takes immediate effect.

Importing a measurement plan from DMIS

Procedure of the import from DMIS

To import a PC-DMIS program, you must select **File → Import → DMIS** from the menu and specify the corresponding file.

After the import, you should save the measurement plan immediately, because at first it is only stored in the main memory of the computer.

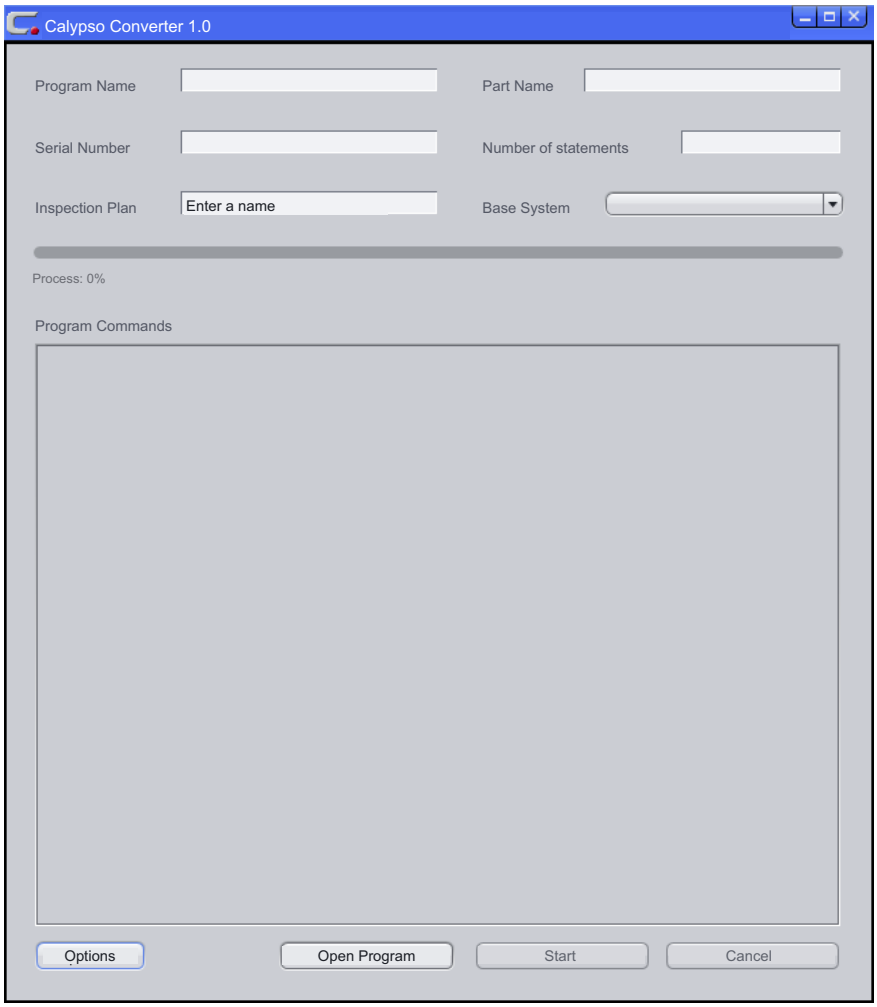
The following measurement plan features cannot be created from within the DMIS program and must be created by you after the import:

- Base alignment
- Clearance cuboid
- Clearance planes
- Stylus allocation

Importing a DMIS program

1 Select **File → Import → DMIS**.

The **Calypso Converter** window appears on the screen.



2 Click **Open Program** and select the DMIS program to be imported.

The program is loaded and displayed.

The upper section of the window shows the program name, part name and serial number of DMIS as well as the number of statements in the current program.

3 Enter the name of the CALYPSO measurement plan under **Inspection Plan**.

4 Under **Base System**, you must select the name of the coordinate system that CALYPSO should use as base alignment.

You still have to define this base alignment when postprocessing the measurement plan.

5 Click **Start** to start conversion.

Conversion of the DMIS program is performed.

A message is displayed after completion.

6 Confirm the message.

The result of the conversion is displayed.

The **Program Commands** list shows all commands of the DMIS program. If a problem occurs during conversion, this will be indicated along with the corresponding command by expanding this branch.

7 Save the new measurement plan in CALYPSO.

8 To close the DMIS import, click the **Close** icon.

Postprocessing an imported measurement plan

It is not possible to apply all elements of a DMIS program. This is why you must make the measurement plan executable in CALYPSO after the import.

To do so, you must carry out at least the following steps:

1 Analyze the messages generated during conversion. It may be necessary to reprogram parts of the measurement program in CALYPSO.

2 Adjust the measurement plan features in CALYPSO:

- Define the base alignment.
- Define the clearance planes.
- Assign the clearance planes to the features.
- Assign the styli to be used to the features.

3 Have the measurement plan run once in the simulation mode to exclude further errors.

Supported commands

Supported commands from DMIS 3.0

The DMIS Input Postprocessor supports the following commands of DMIS 3.0:

CONST/var_1,F(label1),BF,FA(label2),var_2 var_3

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CYLNDR
	CPARLN
	ELLIPS
	LINE
	PATERN
	PLANE
	RCTNGL
	SPHERE
VAR_2	FA(label3)
	F(label3)
VAR_3	,var_2 var_3
	does not exist

CONST/LINE,F(label1),var_1

Variable	Possible values
VAR_1	MIDLI,FA(label2),var_2
	PROJLI,FA(label2)var_3
VAR_2	FA(label3)
	F(label3)
VAR_3	,FA(label3)
	,F(label3)
	does not exist

CONST/PLANE,F(label1),MIDPL,FA(label2),var_1

Variable	Possible values
VAR_1	FA(label3)
	F(label3)

CONST/POINT, F(label1), var_1

Variable	Possible values
VAR_1	MIDPT,FA(label2),var_2
	VERTEX, FA(label2)
	PROJPT, FA(label2) var_3
	MOVEPT, FA(label2), var_4
	CURVE, FA(label2), var_2
VAR_2	FA(label3)
	F(label3)
VAR_3	,FA(label3)
	,F(label3)
VAR_4	dx, dy, dz
	F(label3), dist
	FA(label3), dist

CONST/var_1,F(label1),PROJCT,FA(label2) var_2

Variable	Possible values
VAR_1	ARC
	CIRCLE
VAR_2	,FA(label3)
	,F(label3)

CONST/var_1,FA(label2),var_3

Variable	Possible values
VAR_1	CIRCLE,F(label1),var_2
	LINE,F(label1),var_2
	POINT,F(label1),INTOF
VAR_2	TANTO

Variable	Possible values
	INTOF
VAR_3	FA(label3)
	F(label3)

CONST/var_1,var_3

Variable	Possible values
VAR_1	CIRCLE,F(label1),TANTO
	LINE,F(label1),var_2
	PLANE,F(label1),var_2
VAR_2	PERPTO
	TANTO
	PARTO
VAR_3	FA(label2),THRU,var_4
	F(label2),THRU,FA(label3)
VAR_4	FA(label3)
	F(label3)

DATDEF/var_1

Variable	Possible values
VAR_1	FA(label1),DAT(x)
	FA(label2),DAT(x-x)
	F(label3),DAT(x)

D(label)=DATSET/var_1

Variable	Possible values
VAR_1	MCS
	DAT(x),var_3 var_4 var_2 var_2
VAR_2	,DAT(x),var_3 var_4
	,DAT(x) var_4
	does not exist
VAR_3	XDIR
	-XDIR
	YDIR

Variable	Possible values
	-YDIR
	ZDIR
	-ZDIR
VAR_4	,XORIG var_4
	,YORIG var_4
	,ZORIG var_4
	does not exist

DMISMN/'text'

ENDMES

EVAL/var_1

Variable	Possible values
VAR_1	FA(label) var_2
	FA(label1),FA(label2),T(label1)
VAR_2	,T(label) var_2
	does not exist

F(label)=FEAT/ARC,var_1,var_2,i,j,k,rad,ang1,ang2

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/ ARC,4POINT,var_1,e1x,e1y,e1z,mx,my,mz,e2x,e2y,e2z,cx,cy,cz

Variable	Possible values
VAR_1	INNER
	OUTER

F(label)=FEAT/CIRCLE,var_1,var_2,i,j,k,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/CONE,var_1,var_2,i,j,k,ang

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/ CPARLN,var_1,var_2,var_3,i,j,k,i1,j1,k1,len,wid

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	ROUND
	FLAT
VAR_3	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/CYLNDR,var_1,var_2,i,j,k,diam var_3

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,len

F(label)=FEAT/ELLIPS,var_1,var_2,var_3,i,j,k,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,f1x,f1y,f1z,f2x,f2y,f2z
	POL,f1r,f1a,f1h,f2r,f2a,f2h
VAR_3	MAJOR
	MINOR

F(label)=FEAT/GCURVE,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/GSURF

F(label)=FEAT/LINE,var_1,ni,nj,nk

Variable	Possible values
VAR_1	UNBND,var_2
	BND,var_3
VAR_2	CART,x,y,z,i,j,k
	POL,r,a,h,i,j,k
VAR_3	CART,e1x,e1y,e1z,e2x,e2y,e2z
	POL,e1r,e1a,e1h,e2r,e2a,e2h

F(label)=FEAT/PARPLN,var_1,var_2,width

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z,px,py,pz,i,j,k,px,py,pz,i,j,k
	POL,r,a,h,pr,pa,ph,i,j,k,pr,pa,ph,i,j,k

F(label)=FEAT/PATERN,F(label1) var_1 var_2

Variable	Possible values
VAR_1	,F(labeln)

F(label)=FEAT/PLANE,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/POINT,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/SPHERE,var_1,var_2,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

MEAS/var_1,F(label),n

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CPARLN
	CYLNDR
	GCURVE
	GSURF
	ELLIPS
	LINE
	PARPLN

Variable	Possible values
	PLANE
	POINT
	RCTNGL
	SPHERE

MODE/var_1

Variable	Possible values
VAR_1	AUTO,var_2
	PROG,MAN
	MAN

OUTPUT/var_1

Variable	Possible values
VAR_1	FA(label) var_2 var_4
	FA(label1), FA(label2), TA(label1) var_4
	F(label) var_3 var_4
	F(label1), F(label2), T(label1) var_4
VAR_2	,TA(label) var_2
	does not exist
VAR_3	,T(label) var_3
	does not exist

PTMEAS/var_1 var_2

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

RECALL/var_1 var_2

Variable	Possible values
VAR_1	D(label)
	DA(label)

RMEAS/var_1,F(label),n,var_2

RMEAS/var_1,F(label),n,FA(label1)

RMEAS/CPARLN,F(label),n,var_1 var_2

RMEAS/var_1,F(label),n,var_2

RMEAS/var_1,F(label),n,var_2

RMEAS/POINT,F(label),n,var_1

D(label)=ROTATE/var_1,var_2

Variable	Possible values
VAR_1	XAXIS
	YAXIS
	ZAXIS
VAR_2	ang
	F(label),var_3
	FA(label),var_3
	DAT(x),var_3
VAR_3	XDIR
	-XDIR
	YDIR
	-YDIR
	ZDIR
	-ZDIR

TEXT/var_1,'text'

Variable	Possible values
VAR_1	OUTFIL

T(label)=TOL/ANGL,lotol,uptol

T(label)=TOL/ANGLB,ang,lotol,uptol

T(label)=TOL/ANGLR,ang,tolzon var_2 var_3 var_4

Variable	Possible values
VAR_2	,MMC

Variable	Possible values
	,LMC
	,RFS
	does not exist
VAR_3	DAT(x) var_2
	F(label2)
	FA(label) var_2

T(label)=TOL/CIRLTY,tolzon

T(label)=TOL/CONCEN,tolzon,var_2

Variable	Possible values
VAR_2	DAT(x)
	F(label2)
	FA(label)

T(label)=TOL/CORTOL,var_1,lotol,uptol

Variable	Possible values
VAR_1	XAXIS
	YAXIS
	ZAXIS
	RADIUS
	ANGLE

T(label)=TOL/CRNOUT,tolzon,DAT(x) var_2 var_2

Variable	Possible values
VAR_2	DAT(x)
	.F(label)
	.FA (label)

T(label)=TOL/CYLCTY,tolzon

T(label)=TOL/DIAM,lotol,uptol var_2

Variable	Possible values
	does not exist

T(label)=TOL/DISTB,var_2,var_3 var_4

Variable	Possible values
VAR_2	NOMINL,dist,lotol,uptol
	LIMIT,lolimt,uplimt
VAR_3	XAXIS
	YAXIS
	ZAXIS
	PT2PT
VAR_4	does not exist

T(label)=TOL/FLAT,tolzon

T(label)=TOL/PARLEL,tolzon var_2,var_3 var_4

Variable	Possible values
VAR_2	,MMC
	,LMC
	,RFS
VAR_3	does not exist
	DAT(x) var_2
	F(label2)
	FA(label) var_2
VAR_4	does not exist

T(label)=TOL/PERP,tolzon var_2,var_3 var_4

Variable	Possible values
VAR_2	,MMC
	,LMC
	,RFS
VAR_3	does not exist
	DAT(x) var_2
	F(label2)
	FA(label) var_2
VAR_4	does not exist

T(label)=TOL/POS,var_1,tolzon var_2 var_3 var_3 var_3 var_6

T(label)=TOL/PROFL,lotol,uptol var_2 var_2 var_2

T(label)=TOL/PROFP,lotol,uptol var_2 var_2 var_2

Variable	Possible values
VAR_2	,DAT(x) var_3
	,F(label2)
	,FA(label) var_3
	does not exist
VAR_3	,MMC
	,LMC
	,RFS
	does not exist

T(label)=TOL/PROFS,lotol,uptol var_2 var_2 var_2 var_4

T(label)=TOL/RAD,lotol,uptol var_2

T(label)=TOL/STRGHT,tolzon var_2

T(label)=TOL/SYM,tolzon,var_2

Variable	Possible values
VAR_2	DAT(x) var_3
	F(label2)
	FA(label) var_3

T(label)=TOL/TRNOUT,tolzon,DAT(x) var_2 var_2

T(label)=TOL/USETOL,'text'

T(label)=TOL/WIDTH,lotol,uptol var_2

D(label)=TRANS/var_1,var_2 var_5 var_5

Variable	Possible values
VAR_1	XORIG
	YORIG
	ZORIG
VAR_2	var_3

Variable	Possible values
VAR_3	value
	F(label)
	FA(label)
	DAT(x)
VAR_5	,var_1,var_2
	does not exist

UNITS/var_1,var_2 var_3

Variable	Possible values
VAR_1	MM
	CM
	M
	INCH
	FEET
VAR_2	ANGDEC
	ANGDMS
	ANGRAD
VAR_3	,TEMPF
	,TEMPC

WKPLAN/var_1

Variable	Possible values
VAR_1	XYPLAN
	YZPLAN
	ZXPLAN

Supported commands from DMIS 4.0

The DMIS Input Postprocessor supports the following commands of DMIS 4.0:

CONST/var_1,F(label1),BF,FA(label2),var_2 var_3

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CYLNDR
	CPARLN
	ELLIPS
	LINE
	PATERN
	PLANE
	RCTNGL
	SPHERE
	TORUS
VAR_2	FA(label3)
	F(label4)
VAR_3	,var_2 var_3
	does not exist

CONST/LINE,F(label1),var_1

Variable	Possible values
VAR_1	MIDLI,FA(label2),var_2
	PROJLI,FA(label2)var_3
VAR_2	FA(label3)
	F(label4)
VAR_3	,FA(label3)
	,F(label4)
	does not exist

CONST/PLANE,F(label1),MIDPL,FA(label2),var_1

Variable	Possible values
VAR_1	FA(label3)
	F(label4)

CONST/POINT, F(label1), var_1

Variable	Possible values
VAR_1	MIDPT,FA(label2),var_2
	PIERCE,FA(label2),var_2
	VERTEX, FA(label2)
	PROJPT, FA(label2) var_3
	MOVEPT, FA(label2), var_4
	CURVE, FA(label2), var_2
	EXTREM,var_5,FA(label2),var_6
VAR_2	FA(label4)
	F(label5)
VAR_3	,FA(label4)
	,F(label5)
VAR_4	dx, dy, dz
	F(label5), dist
	FA(label4), dist
VAR_5	MIN
	MAX
VAR_6	VEC,i,j,k

CONST/var_1,F(label1),PROJCT,FA(label2) var_2

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CPARLN
	ELLIPS
VAR_2	,FA(label3)
	,F(label4)
	does not exist

CONST/var_1,FA(label2),var_3

Variable	Possible values
VAR_1	CIRCLE,F(label1),var_2

Variable	Possible values
	LINE,F(label1),var_2
	POINT,F(label1),INTOF
VAR_2	TANTO
	INTOF
VAR_3	FA(label3)
	F(label4)

CONST/var_1,var_2

Variable	Possible values
VAR_1	CIRCLE,F(label1),TANTO
	LINE,F(label1),var_3
	PLANE,F(label1),var_3
VAR_2	FA(label2),THRU,var_4
	F(label3),THRU,FA(label4)
VAR_3	PERPTO
	TANTO
	PARTO
VAR_4	FA(label4)
	F(label5)

CONST/var_1,F(label1),OFFSET,FA(label2) var_2

Variable	Possible values
VAR_1	LINE
	PLANE
VAR_2	FA(label2) var_2
	F(label3) var_2
	does not exist

CONST/var_1,F(label1),TR,FA(label2),var_2

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE

Variable	Possible values
	CYLNDR
	CPARLN
	ELLIPS
	LINE
	PATERN
	PLANE
	POINT
	RCTNGL
	SPHERE
	TORUS
VAR_2	,D(label3)
	,DA(label4)
	does not exist

CONST/CIRCLE,F(label1),CONE,var_1,FA(label2)

Variable	Possible values
VAR_1	DIAM,diameter
	DIST,distance

DATDEF/var_1

Variable	Possible values
VAR_1	FA(label1),DAT(x)
	FA(label2),DAT(x-x)
	F(label3),DAT(x)

D(label)=DATSET/var_1

Variable	Possible values
VAR_1	MCS
	var_2
VAR_2	DAT(x),var_3 var_4 var_8
	,DAT(x),var_7 var_9
VAR_3	XDIR
	-XDIR

Variable	Possible values
	YDIR
	-YDIR
	ZDIR
	-ZDIR
VAR_4	,XORIG var_4
	,YORIG var_4
	,ZORIG var_4
	does not exist
VAR_5	,DAT(x),var_3 var_4
	,DAT(x) var_7
	does not exist
VAR_6	,DAT(x) var_7
	does not exist
VAR_7	,XORIG var_4
	,YORIG var_4 ,
	ZORIG var_4
VAR_8	,var_5 var_6
	,var_6 var_5
VAR_9	,DAT(x),var_3 var_4 var_5
	var_5 ,DAT(x),var_3 var_4

DMISMN/'text',version

ENDMES

EVAL/var_1

Variable	Possible values
VAR_1	FA(label1),T(label2) var_2
	FA(label3),var_3,T(label4)
	var_4,FA(label5),T(label4)
VAR_2	,T(label) var_2
	does not exist
VAR_3	F(label6)
	FA(label5)

Variable	Possible values
	DAT(label7)
VAR_4	F(label8)
	DAT(label7)

F(label)=FEAT/ARC,var_1,var_2,i,j,k,rad,ang1,ang2 var_3

FA(label)=FEAT/ARC,var_1,var_2,i,j,k,rad,ang1,ang2 var_3

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,is,js,ks

F(label)=FEAT/ARC,4POINT,var_1,e1x,e1y,e1z,mx,my,mz,e2x,e2y,e2z,cx,cy,cz

FA(label)=FEAT/ARC,4POINT,var_1,e1x,e1y,e1z,mx,my,mz,e2x,e2y,e2z,cx,cy,cz

Variable	Possible values
VAR_1	INNER
	OUTER

F(label)=FEAT/CIRCLE,var_1,var_2,i,j,k,diam

FA(label)=FEAT/CIRCLE,var_1,var_2,i,j,k,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/CONE,var_1,var_2,i,j,k,ang

FA(label)=FEAT/CONE,var_1,var_2,i,j,k,ang

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/ CPARLN,var_1,var_2,var_3,i,j,k,i1,j1,k1,len,width

FA(label)=FEAT/ CPARLN,var_1,var_2,var_3,i,j,k,i1,j1,k1,len,width

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	ROUND
	FLAT
VAR_3	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/CYLNDR,var_1,var_2,i,j,k,diam var_3

FA(label)=FEAT/CYLNDR,var_1,var_2,i,j,k,diam var_3

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,len

F(label)=FEAT/EDGEPT,var_1,i,j,k,i1,j1,k1

FA(label)=FEAT/EDGEPT,var_1,i,j,k,i1,j1,k1

Variable	Possible values
VAR_1	CART,x,y,z

Variable	Possible values
	POL,r,a,h

F(label)=FEAT/ELLIPS,var_1,var_2,var_3,i,j,k,diam

FA(label)=FEAT/ELLIPS,var_1,var_2,var_3,i,j,k,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,f1x,f1y,f1z,f2x,f2y,f2z
	POL,f1r,f1a,f1h,f2r,f2a,f2h
VAR_3	MAJOR
	MINOR

F(label)=FEAT/GCURVE,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/GSURF

F(label)=FEAT/LINE,var_1,ni,nj,nk

FA(label)=FEAT/LINE,var_1,ni,nj,nk

Variable	Possible values
VAR_1	UNBND,var_2
	BND,var_3
VAR_2	CART,x,y,z,i,j,k
	POL,r,a,h,i,j,k
VAR_3	CART,e1x,e1y,e1z,e2x,e2y,e2z
	POL,e1r,e1a,e1h,e2r,e2a,e2h

F(label)=FEAT/PARPLN,var_1,var_2,width

FA(label)=FEAT/PARPLN,var_1,var_2,width

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z,p1x,p1y,p1z,i1,j1,k1,p2x,p2y,p2z,i2,j2,k2
	POL,r,a,h,p1r,p1a,p1h,i1,j1,k1,p2r,p2a,p2h,i2,j2,k2

F(label)=FEAT/PATERN,F(label1) var_1 var_2

Variable	Possible values
VAR_1	,F(labeln)

F(label)=FEAT/PLANE,var_1,i,j,k

FA(label)=FEAT/PLANE,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/POINT,var_1,i,j,k

FA(label)=FEAT/POINT,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/SPHERE,var_1,var_2,diam var_3

FA(label)=FEAT/SPHERE,var_1,var_2,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

Variable	Possible values
VAR_3	,i,j,k var_8

F(label)=FEAT/TORUS,var_1,var_2,i,j,k,diam1,diam2

FA(label)=FEAT/TORUS,var_1,var_2,i,j,k,diam1,diam2

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

MEAS/var_1,F(label),n

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CPARLN
	CYLNDR
	EDGEPT
	ELLIPS
	GCURVE
	GSURF
	LINE
	PARPLN
	PLANE
	POINT
	RCTNGL
	SPHERE
	TORUS

MODE/var_1

Variable	Possible values
VAR_1	AUTO,var_2

Variable	Possible values
	PROG,MAN
	MAN

OUTPUT/var_1

Variable	Possible values
VAR_1	FA(label) var_2 var_3
	FA(label2),var_4,TA(label3) var_3
	var_5,FA(label4),TA(label3) var_3
	F(label5) var_6 var_3
	F(label6),F(label7),T(label_8) var_3
	T(label14)
	TA(label15)
VAR_2	,TA(label15) var_2
	does not exist
VAR_4	,F(label7)
	,FA(label4)
	,DAT(x)
VAR_5	F(label6)
	DAT(x)
VAR_6	,T(label16) var_6
	does not exist

PTMEAS/var_1 var_2

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

RECALL/var_1 var_2

Variable	Possible values
VAR_1	D(label2)
	DA(label1)

RMEAS/var_1,F(label),n,var_2

RMEAS/var_1,F(label1),n,FA(label2)

RMEAS/CPARLN,F(label1),n,var_1 var_2

RMEAS/var_1,F(label1),n,var_2

RMEAS/var_1,F(label1),n,var_2

RMEAS/POINT,F(label1),n,var_1

RMEAS/EDGEPT,F(label1),n,var_1

D(label)=ROTATE/var_1,var_2

Variable	Possible values
VAR_1	XAXIS
	YAXIS
	ZAXIS
VAR_2	ang
	F(label1),var_3
	FA(label2),var_3
	DAT(x),var_3
VAR_3	XDIR
	-XDIR
	YDIR
	-YDIR
	ZDIR
	-ZDIR

S(label)=SNSDEF/BUILD var_1,var_2

TEXT/var_1,'text'

Variable	Possible values
VAR_1	OUTFIL

T(label)=TOL/ANGL,lotol,uptol

T(label)=TOL/ANGLB,ang,lotol,uptol

T(label)=TOL/ANGLR,ang,tolzon var_1 var_2 var_3 var_4

Variable	Possible values
VAR_1	,MMC
	,LMC
	,RFS
	does not exist
VAR_2	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
VAR_3	,DAT(x) var_1
	,F(label1)
	FA(label)2 var_1
	does not exist

T(label)=TOL/CIRLTY,tolzon

T(label)=TOL/CONCEN,tolzon,var_1

Variable	Possible values
VAR_1	DAT(x)
	F(label1)
	FA(label2)

T(label)=TOL/CORTOL,var_1,lotol,uptol

Variable	Possible values
VAR_1	XAXIS
	YAXIS
	ZAXIS
	RADIAL
	RADIUS
	ANGLE

T(label)=TOL/CRNOUT,tolzon,DAT(x) var_1 var_1

Variable	Possible values
VAR_1	,DAT(x)
	.F(label1)
	.FA (label2)

T(label)=TOL/CYLCTY,tolzon

T(label)=TOL/DIAM,lotol,uptol var_1 var_2

Variable	Possible values
VAR_1	,MAJOR
	does not exist
	does not exist

T(label)=TOL/DISTB,var_1,var_2 var_3

Variable	Possible values
VAR_1	NOMINL,dist,lotol,uptol
	LIMIT,lolimt,uplimt
VAR_2	XAXIS
	YAXIS
	ZAXIS
	PT2PT
	does not exist

T(label)=TOL/FLAT,var_1

Variable	Possible values
VAR_1	tolzon
	tolzon,tolzon1,unit1,unit2
	tolzon1,unit1,unit2

T(label)=TOL/PARLEL,tolzon var_1 var_2 var_3 var_4

Variable	Possible values
VAR_1	,MMC var_6
	,LMC

Variable	Possible values
	,RFS
	does not exist
VAR_2	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
VAR_3	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
	does not exist
	does not exist

T(label)=TOL/PERP,tolzon var_1 var_2 var_3 var_4

Variable	Possible values
VAR_1	,MMC var_6
	,LMC
	,RFS
VAR_2	does not exist
	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
VAR_3	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
	does not exist
	does not exist

T(label)=TOL/POS,var_1,tolzon var_2 var_3 var_3 var_3 var_4

T(label)=TOL/PROFL,lotol,uptol var_1 var_1 var_1

T(label)=TOL/PROFP,lotol,uptol var_1 var_1 var_1

Variable	Possible values
VAR_1	,DAT(x) var_3

Variable	Possible values
	,F(label1)
	,FA(label2) var_3
	does not exist
VAR_3	,MMC
	,LMC
	,RFS
	does not exist

T(label)=TOL/PROFS,lotol,uptol var_1 var_1 var_1 var_2

T(label)=TOL/RAD,lotol,uptol var_1 var_2

T(label)=TOL/STRGHT,var_1

Variable	Possible values
VAR_1	tolzon var_2
	tolzon,unit

T(label)=TOL/SYM,tolzon,var_1

Variable	Possible values
VAR_1	DAT(x) var_3
	F(label1)
	FA(label2) var_3

T(label)=TOL/TRNOUT,tolzon,DAT(x) var_1 var_1

T(label)=TOL/USETOL,'text'

T(label)=TOL/USETOL,parm var_1

T(label)=TOL/WIDTH,lotol,uptol var_1 var_2

Variable	Possible values
	,SHORT
	,LONG

D(label)=TRANS/var_1,var_2 var_3 var_4

Variable	Possible values
VAR_1	XORIG
	YORIG
	ZORIG
VAR_2	var_6
VAR_3	,var_1,var_2
	does not exist
VAR_4	var_6
VAR_6	value
	F(label1)
	FA(label2)
	DAT(x)
VAR_5	,var_1,var_2
	does not exist

UNITS/var_1,var_2 var_3

Variable	Possible values
VAR_1	MM
	CM
	M
	INCH
	FEET
VAR_2	ANGDEC
	ANGDMS
	ANGRAD
VAR_3	,TEMPF
	,TEMPC

WKPLAN/var_1

Variable	Possible values
VAR_1	XYPLAN

Variable	Possible values
	YZPLAN
	ZXPLAN

Supported commands from DMIS 5.0

The DMIS Input Postprocessor supports the following commands of DMIS 5.0:

CONST/var_1,F(label1),BF,FA(label2),var_2 var_3

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CPARLN
	CYLNDR
	ELLIPS
	GCURVE
	GSURF
	LINE
	PARPLN
	PLANE
	RCTNGL
	SPHERE
	SYMPLN
	TORUS
VAR_2	FA(label3)
	F(label4)
VAR_3	,var_2 var_3
	does not exist

CONST/LINE,F(label1),var_1

Variable	Possible values
VAR_1	MIDLI,FA(label2),var_2
	PROJLI,FA(label2)var_3

Variable	Possible values
VAR_2	FA(label3)
	F(label4)
VAR_3	,FA(label3)
	,F(label4)
	does not exist

CONST/PLANE,F(label1),MIDPL,FA(label2),var_1

Variable	Possible values
VAR_1	FA(label3)
	F(label4)

CONST/POINT, F(label1), var_1

Variable	Possible values
VAR_1	MIDPT,FA(label2),var_2
	PIERCE,FA(label2),var_2
	VERTEX, FA(label2)
	PROJPT, FA(label2) var_3
	MOVEPT, FA(label2), var_4
	CURVE, FA(label2), var_2
VAR_2	FA(label4)
	F(label5)
VAR_3	,FA(label4)
	,F(label5)
VAR_4	dx, dy, dz
	F(label5), dist
	FA(label4), dist
VAR_5	MIN
	MAX
VAR_6	VEC,i,j,k

CONST/var_1,F(label1),PROJCT,FA(label2) var_2

Variable	Possible values
VAR_1	ARC

Variable	Possible values
	CIRCLE
	CPARLN
	ELLIPS
VAR_2	,FA(label3)
	,F(label4)
	does not exist

CONST/var_1,FA(label1),var_3

Variable	Possible values
VAR_1	CIRCLE,F(label2),var_2
	LINE,F(label2),var_2
	POINT,F(label2),INTOF
VAR_2	TANTO
	INTOF
VAR_3	FA(label3)
	F(label4)

CONST/var_1,var_2

Variable	Possible values
VAR_1	CIRCLE,F(label1),TANTO
	LINE,F(label1),var_3
	PLANE,F(label1),var_3
VAR_2	FA(label2),THRU,var_4
	F(label3),THRU,FA(label4)
VAR_3	PERPTO
	TANTO
	PARTO
VAR_4	FA(label4)
	F(label5)

CONST/var_1,F(label1),OFFSET,FA(label2) var_2

Variable	Possible values
VAR_1	LINE

Variable	Possible values
	PLANE
VAR_2	,FA(label2) var_2
	,F(label3) var_2

CONST/var_1,F(label1),TR,FA(label2),var_2

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CPARLN
	CYLNDR
	ELLIPS
	GCURVE
	GSURF
	LINE
	PATERN
	PLANE
	POINT
	RCTNGL
	SPHERE
	TORUS
VAR_2	,D(label3)
	,DA(label4)
	does not exist

CONST/CIRCLE,F(label1),CONE,var_1,FA(label2)

Variable	Possible values
VAR_1	DIAM,diameter
	DIST,distance

DATDEF/var_1

Variable	Possible values
VAR_1	FA(label1),DAT(x)

Variable	Possible values
	FA(label2),DAT(x-x)
	F(label3),DAT(x)

D(label)=DATSET/var_1

Variable	Possible values
VAR_1	MCS
	var_2
VAR_2	DAT(x),var_3 var_4 var_5 var_6
	DAT(x),var_3 var_4 var_6 var_5
	DAT(x),var_7 var_5,DAT(X), var_3 var_4
	DAT(x),var_7,DAT(x), var_3 var_4 var_5
VAR_3	XDIR
	-XDIR
	YDIR
	-YDIR
	ZDIR
	-ZDIR
VAR_4	,XORIG var_4
	,YORIG var_4
	,ZORIG var_4
	does not exist
VAR_5	,DAT(x),var_3 var_4
	,DAT(x) var_7
	does not exist
VAR_6	,DAT(x) var_7
	does not exist
VAR_7	,XORIG var_4
	,YORIG var_4 ,
	,ZORIG var_4

DATTRGDEF/var_1

DECL/var_1 var_2 var_3

Variable	Possible values
VAR_1	COMMON,
	GLOBAL,
	LOCAL,
	does not exist
VAR_2	BOOL
	INTGR
	LONG
	REAL
	DOUBLE
	CHAR,n
	VECTOR
VAR_3	,varname var_4
	,varname[index1 var_5] var_4

DMISMN/'text',version

ENDMES

EVAL/var_1

Variable	Possible values
VAR_1	FA(label1),T(label2) var_2
	FA(label3),var_3,T(label4)
	var_4,FA(label5),T(label4)
VAR_2	,T(label) var_2
	does not exist
VAR_3	F(label6)
	FA(label5)
	DAT(label7)
VAR_4	F(label8)
	DAT(label7)

F(label)=FEAT/ARC,var_1,var_2,i,j,k,rad,ang1,ang2 var_3

FA(label)=FEAT/ARC,var_1,var_2,i,j,k,rad,ang1,ang2 var_3

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,is,js,ks

F(label)=FEAT/ARC,4POINT,var_1,e1x,e1y,e1z,mx,my,mz,e2x,e2y,e2z,cx,cy,cz

FA(label)=FEAT/ARC,4POINT,var_1,e1x,e1y,e1z,mx,my,mz,e2x,e2y,e2z,cx,cy,cz

Variable	Possible values
VAR_1	INNER
	OUTER

F(label)=FEAT/CIRCLE,var_1,var_2,i,j,k,diam

FA(label)=FEAT/CIRCLE,var_1,var_2,i,j,k,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/COMPOUND,var_1,F(label1),F(label1) var_3

Variable	Possible values
VAR_1	AXIAL,var_2,i,j,k
	PLANE,var_2,i,j,k
	SPHERE,var2

Variable	Possible values
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/CONE,var_1,var_2,i,j,k,ang

FA(label)=FEAT/CONE,var_1,var_2,i,j,k,ang

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/CONRADSEGMNT,var_1,var_2,startrad,endrad,si,sj,sk,ei,ej,ek

FA(label)=FEAT/CONRADSEGMNT,var_1,var_2,startrad,endrad,si,sj,sk,ei,ej,ek

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,sx,sy,sz,ex,ey,ez
	POL,sr,sa,sh,er,ea,eh

F(label)=FEAT/CPARLN,var_1,var_2,var_3,i,j,k,i1,j1,k1,len,width

FA(label)=FEAT/CPARLN,var_1,var_2,var_3,i,j,k,i1,j1,k1,len,width

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	ROUND
	FLAT
VAR_3	CART,x,y,z

Variable	Possible values
	POL,r,a,h

F(label)=FEAT/CYLNDR,var_1,var_2,i,j,k,diam var_3

FA(label)=FEAT/CYLNDR,var_1,var_2,i,j,k,diam var_3

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,len

F(label)=FEAT/CONRADSEGMNT,var_1,var_2,startrad,endrad,si,sj,sk,ei,ej,ek

FA(label)=FEAT/CYLRADSEGMNT,var_1,var_2,rad,si,sj,sk,ei,ej,ek

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,sx,sy,sz,ex,ey,ez
	POL,sr,sa,sh,er,ea,eh

F(label)=FEAT/EDGEPT,var_1,i,j,k,i1,j1,k1

FA(label)=FEAT/EDGEPT,var_1,i,j,k,i1,j1,k1

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/ELLIPS,var_1,var_2,var_3,i,j,k,diam

FA(label)=FEAT/ELLIPS,var_1,var_2,var_3,i,j,k,diam

Variable	Possible values
VAR_1	INNER

Variable	Possible values
	OUTER
VAR_2	CART,f1x,f1y,f1z,f2x,f2y,f2z
	POL,f1r,f1a,f1h,f2r,f2a,f2h
VAR_3	MAJOR
	MINOR

F(label)=FEAT/ELONGCYL,var_1,var_2,ia,ja,ka,size,radius var_3

FA(label)=FEAT/ ELONGCYL,var_1,var_2,ia,ja,ka,size,radius var_3

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z,i,j,k
	POL,r,a,h,i,j,k
VAR_3	len

F(label)=FEAT/GCURVE,var_1

Variable	Possible values
VAR_1	CART,x,y,z,i,j,k
	POL,r,a,h,i,j,k

F(label)=FEAT/GSURF var_1

Variable	Possible values
VAR_1	,CART,PTDATA,x,y,z,i,j,k,x,y,z,i,j,k var_8
	,POL,PTDATA,r,a,h,i,j,k,r,a,h,i,j,k var_9
VAR_8	,x,y,z,i,j,k var_8
	,x,y,z,i,j,k

F(label)=FEAT/LINE,var_1,ni,nj,nk

FA(label)=FEAT/LINE,var_1,ni,nj,nk

Variable	Possible values
VAR_1	UNBND,var_2
	BND,var_3
VAR_2	CART,x,y,z,i,j,k
	POL,r,a,h,i,j,k
VAR_3	CART,e1x,e1y,e1z,e2x,e2y,e2z
	POL,e1r,e1a,e1h,e2r,e2a,e2h

F(label)=FEAT/PARPLN,var_1,var_2,width

FA(label)=FEAT/PARPLN,var_1,var_2,width

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z,p1x,p1y,p1z,i1,j1,k1,p2x,p2y,p2z,i2,j2,k2
	POL,r,a,h,p1r,p1a,p1h,i1,j1,k1,p2r,p2a,p2h,i2,j2,k2
	MIDPL,CART,x,y,z,i,j,k
	MIDPL,POL,r,a,h,i,j,k

F(label)=FEAT/PATERN,F(label1) var_1 var_2

Variable	Possible values
VAR_1	,F(labeln)

F(label)=FEAT/PLANE,var_1,i,j,k

FA(label)=FEAT/PLANE,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/POINT,var_1,i,j,k

FA(label)=FEAT/POINT,var_1,i,j,k

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

F(label)=FEAT/SPHERE,var_1,var_2,diam var_3

FA(label)=FEAT/SPHERE,var_1,var_2,diam

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,i,j,k var_8

F(label)=FEAT/SPHRADSEGMNT,var_1,var_2,rad,npi,npj,npk,latstartang,latstopang,pmi,pmj,pmk,longstartang,longstopang

FA(label)=FEAT/SPHRADSEGMNT,var_1,var_2,rad,npi,npj,npk,latstartang,latstopang,pmi,pmj,pmk,longstartang,longstopang

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,cx,cy,cz
	POL,cr,ca,ch

F(label)=FEAT/SYMPLN,var_1,var_2,width

FA(label)=FEAT/SYMPLN,var_1,var_2,width

Variable	Possible values
VAR_1	INNER
	OUTER

Variable	Possible values
VAR_2	CART,x,y,z,p1x,p1y,p1z,i1,j1,k1,p2x,p2y,p2z,i2,j2,k2
	POL,a,r,h,p1a,p1rr,p1h,i1,j1,k1,p2a,p2r,p2h,i2,j2,k2

F(label)=FEAT/TORRADSEGMNT,var_1,var_2,majrad,minrad,npi,npj,npk,latstartang,latstopang,pmi,pmj,pmk,longstartang,longstopang

FA(label)=FEAT/TORRADSEGMNT,var_1,var_2,majrad,minrad,npi,npj,npk,latstartang,latstopang,pmi,pmj,pmk,longstartang,longstopang

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,cx,cy,cz
	POL,cr,ca,ch

F(label)=FEAT/TORUS,var_1,var_2,i,j,k,diam1,diam2

FA(label)=FEAT/TORUS,var_1,var_2,i,j,k,diam1,diam2

Variable	Possible values
VAR_1	INNER
	OUTER
VAR_2	CART,x,y,z
	POL,r,a,h

MEAS/var_1,F(label1),n

Variable	Possible values
VAR_1	ARC
	CIRCLE
	CONE
	CONRADSEGMNT
	CPARLN

Variable	Possible values
	CYLNDR
	CYLRADSEGMNT
	EDGEPT
	ELLIPS
	GCURVE
	GSURF
	LINE
	PARPLN
	PLANE
	POINT var_2
	RCTNGL
	SPHERE
	SPHRADSEGMNT
	SYMPLN
	TORUS
	TORRADSEGMNT
	does not exist

MODE/var_1

Variable	Possible values
VAR_1	AUTO,var_2
	PROG,MAN
	MAN

OUTPUT/var_1

Variable	Possible values
VAR_1	FA(label1) var_2 var_3
	FA(label2),var_4,TA(label3) var_3
	var_5,FA(label4),TA(label3) var_3
	F(label5) var_6 var_3
	F(label6),F(label7),T(label_8) var_3
	T(label14)
	TA(label15)

Variable	Possible values
VAR_2	,TA(label15) var_2
	does not exist
VAR_4	F(label7)
	FA(label4)
	DAT(x)
VAR_5	F(label6)
	DAT(x)
VAR_6	,T(label16) var_6
	does not exist

PAMEAS/var_1 var_2 var_3 var_4

Variable	Possible values
VAR_1	P(label)

P(label)=PATH/var_1

Variable	Possible values
VAR_1	POINT,var_2,ip,jp,kp
	ARC,var_2,ia,ja,ka,rad,ang1,ang2 var_3
	UN-KNOWN,xs,ys,zs,xd,yd,zd,xe,ye,ze ,var_4
	LINE,BND,var_5,il,jl,kl
	CURVE,var_6
	HELI-CAL,var_2,iax,jax,kax,hel_rad,hel_ang1,hel_ang2 var_7,pitch
	GRID,xg,yg,zg,iu,ju,ku,im,jm,km,lp,var_9
VAR_2	CART,x,y,z
	POL,r,a,h
VAR_3	,is,js,ks
VAR_4	io,jo,ko
VAR_5	CART,e1x,e1y,e1z,e2x,e2y,e2z

Variable	Possible values
	POL,e1r,e1a,e1h,e2r,e2a,e2h
	x1,y1,z1,i,j,k,x2,y2,z2,i,j,k var_10
VAR_7	,ih,jh,kh
VAR_9	b1x,b1y,b1z,b2x,b2y,b2z,b3x,b3y ,b3z var_12
	,xn,yn,zn,i,j,k var_14
	,bnx,bny,bnz var_16

PTMEAS/var_1 var_2

Variable	Possible values
VAR_1	CART,x,y,z
	POL,r,a,h

RECALL/var_1 var_2

Variable	Possible values
VAR_1	D(label2)
	DA(label1)

RESUME/var_1

RMEAS/var_1,F(label),n,var_2

RMEAS/var_1,F(label1),n,FA(label2)

RMEAS/CPARLN,F(label1),n,var_1 var_2

RMEAS/var_1,F(label1),n,var_2

RMEAS/var_1,F(label1),n,var_2

RMEAS/POINT,F(label1),n,var_1

RMEAS/EDGEPT,F(label1),n,var_1

ROTAB/RT(label1),var_1,var_2,ang var_3

D(label)=ROTATE/var_1,var_2

Variable	Possible values
VAR_1	XAXIS
	YAXIS

Variable	Possible values
	ZAXIS
VAR_2	ang
	F(label1),var_3
	FA(label2),var_3
	DAT(x),var_3
VAR_3	XDIR
	-XDIR
	YDIR
	-YDIR
	ZDIR
	-ZDIR

TEXT/var_1,'text'

Variable	Possible values
VAR_1	OUTFIL

TH(label)=THLDEF/var_1 var_2

T(label)=TOL/ANGL,lotol,uptol

T(label)=TOL/ANGLB,ang,lotol,uptol var_1

T(label)=TOL/ANGLR,ang,tolzon var_1 var_2 var_3 var_4 var_5

Variable	Possible values
VAR_1	,MMC
	,LMC
	,RFS
	does not exist
VAR_2	,DAT(x) var_1
	,F(label1)
	,FA(label)2 var_1
VAR_3	,DAT(x) var_1
	,F(label1)
	FA(label2) var_1

Variable	Possible values
	does not exist

T(label)=TOL/ANGLWRT,ang,lotol,uptol,var_1

Variable	Possible values
VAR_1	DAT(x)
	F(label1)
	FA(label)2

T(label)=TOL/CIRLTY,tolzon

T(label)=TOL/CONCEN,tolzon,var_1

Variable	Possible values
VAR_1	DAT(x)
	F(label1)
	FA(label2)

T(label)=TOL/CORTOL,var_1

Variable	Possible values
VAR_1	XAXIS,lotol,uptol var_4
	YAXIS,lotol,uptol var_4
	ZAXIS,lotol,uptol var_4
	RADIAL,lotol,uptol
	ANGLE,lotol,uptol

T(label)=TOL/CRNOUT,tolzon,DAT(x) var_1 var_1 var_2

Variable	Possible values
VAR_1	,DAT(x)
	.F(label1)
	.FA (label2)

T(label)=TOL/CYLCTY,tolzon

T(label)=TOL/DIAM,lotol,uptol var_1 var_2

Variable	Possible values
VAR_1	,MAJOR
	does not exist
	does not exist

T(label)=TOL/DISTB,var_1,var_2 var_3

Variable	Possible values
VAR_1	NOMINL,dist,lotol,uptol
	LIMIT,lolimt,uplimt
VAR_2	XAXIS
	YAXIS
	ZAXIS
	PT2PT
	does not exist

T(label)=TOL/DISTWRT,var_1,var_2,var_3 var_4

Variable	Possible values
VAR_1	NOMINL,dist,lotol,uptol
	LIMIT,lolimt,uplimt
VAR_3	XAXIS
	YAXIS
	ZAXIS
	PT2PT

T(label)=TOL/FLAT,var_1

Variable	Possible values
VAR_1	tolzon
	tolzon,tolzon1,unit1,unit2
	tolzon1,unit1,unit2

T(label)=TOL/PARLEL,tolzon var_1 var_2 var_3 var_4 var_5

Variable	Possible values
VAR_1	,MMC var_7
	,LMC var_7
	,RFS
	does not exist
VAR_2	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
VAR_3	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
	does not exist
	does not exist
	does not exist

T(label)=TOL/PERP,tolzon var_1 var_2 var_3 var_4 var_5

Variable	Possible values
VAR_1	,MMC var_7
	,LMC var_7
	,RFS
VAR_2	does not exist
	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
VAR_3	,DAT(x) var_1
	,F(label1)
	,FA(label2) var_1
	does not exist
	does not exist

T(label)=TOL/POS,var_1,tolzon var_2 var_3 var_3 var_3 var_4

T(label)=TOL/PROFS,lotol,uptol var_1 var_1 var_1 var_2

T(label)=TOL/PROFP,lotol,uptol var_1 var_1 var_1

Variable	Possible values
VAR_1	,DAT(x) var_3
	,F(label1)
	,FA(label2) var_3
	does not exist
VAR_3	,MMC
	,LMC
	,RFS
	does not exist

T(label)=TOL/PROFS,lotol,uptol var_1 var_1 var_1 var_2

T(label)=TOL/RAD,lotol,uptol var_1 var_2

T(label)=TOL/STRGHT,var_1 var_2 var_3

Variable	Possible values
VAR_1	tolzon var_6
	tolzon,unit

T(label)=TOL/SYM,tolzon,var_1 var_2

Variable	Possible values
VAR_1	DAT(x) var_4
	F(label1)
	FA(label2) var_4

T(label)=TOL/TRNOUT,tolzon,DAT(x) var_1 var_1

T(label)=TOL/WIDTH,lotol,uptol var_1 var_2

Variable	Possible values
	,SHORT
	,LONG

TL(label)=TOOLDF/MD(label1),'text'

D(label)=TRANS/var_1,var_2 var_3 var_4

Variable	Possible values
VAR_1	XORIG
	YORIG
	ZORIG
VAR_2	var_6
VAR_3	,var_1,var_2
	does not exist
VAR_6	value
	F(label1)
	FA(label2)
	DAT(x)

UNITS/var_1,var_2 var_3

Variable	Possible values
VAR_1	MM
	CM
	M
	INCH
	FEET
VAR_2	ANGDEC
	ANGDMS
	ANGRAD
VAR_3	,TEMPF
	,TEMPC

WKPLAN/var_1

Variable	Possible values
VAR_1	XYPLAN
	YZPLAN
	ZXPLAN

Reference: DMIS import

Calypso Converter

In this dialog box, you start the import of the DMIS program.

Dialog element	Function
Program Name	Shows the name of the DMIS program during the import.
Part Name	Shows the part name defined in the DMIS program during the import.
Serial Number	Shows the serial number defined in the DMIS program during the import.
Number of statements	Shows the number of statements defined in the DMIS program during the import.
Inspection Plan	Enter here the name of the new CALYPSO measurement plan.
Base System	Select here the name of the base alignment for the new CALYPSO measurement plan.
Progress indication (Process)	Shows the progress of the conversion.
Program Commands	Shows the processed DMIS commands in a tree structure. Any problems that occurred during conversion are indicated along with the corresponding command.
Options	Opens the **Options** window with the general default settings for the DMIS import.
Open Program	Opens the file selection window for selecting the DMIS program.
Start	Starts conversion of the selected DMIS program.
Cancel	Closes the window and terminates conversion without saving.

Options

In this dialog box, you enter the default settings for the DMIS import.

Dialog element	Function
Select Style	Defines the style of the program window.
Logging directory	Specifies the directory with the log files. In case of problems, these files contain information for the Carl Zeiss service.
OK	Closes the window and makes the changes effective immediately.
Cancel	Closes the window without making the changes effective.

Alphabetic index