DEVICE

PURPOSE

Specifies the manufacturer and model of a graphics output device.

SYNTAX

DEVICE <id> <manufacturer> <model> <model2> <model3>

where <id> is a number or parameter with an integer value of 1 to 3 that is the device identifier;

<manufacturer> identifies the manufacturer;

<model> is the optional first model identifier;

<model2> is the optional second model identifier;

and   <model3> is the optional third model identifier.

It is unusual for more than one model identifier to be specified.

EXAMPLES

DEVICE 1 TEKTRONIX 4105
DEVICE 2 HP-GL
DEVICE 2 HP-GL 7475
DEVICE 3 GENERAL

NOTE 1

The following manufacturers are supported on all installations:

TEKTRONIX	-	Tektronix devices
HP	-	Hewlett-Packard devices
REGIS	-	DEC terminals (REGIS protocol)
POSTSCRIPT	-	Postscript devices
QUIC	-	QMS laser printers (QUIC protocol)
GENERAL	-	DATAPLOT specific metafile
CGM	-	ANSI standard metafile

The following devices are available on some implementations:

X11	-	X11 workstation
SUN	-	SUN workstation (gfxtool or suntool window)
CALCOMP	-	Calcomp devices (using Calcomp library)
ZETA	-	Zeta devices (using Calcomp library)

See the documentation for TEKTRONIX, HP, REGIS, POSTSCRIPT, QUIC, GENERAL, CGM, X11, SUN, CALCOMP, or ZETA for a list of supported models and for more detailed information for a given device.

NOTE 2

DATAPLOT does not print any error or warning message if an invalid device name is entered. However, no output is generated on the device.

NOTE 3

DATAPLOT supports 3 devices (defined by DEVICE 1, DEVICE 2, and DEVICE 3). Device 1 output is sent to the terminal and device 2 output is sent to a file (DPPL1F.DAT or dppl1f.dat on most systems). Device 3 output is also sent to a file (DPPL2F.DAT or dppl2f.dat on most systems), but it only contains the most recent plot (the PP command can be used to print the device 3 output from within a DATAPLOT session). DATAPLOT supports sending output to all 3 devices simultaneously.

NOTE 4

The device is immediately opened when a DEVICE command is entered.

DEFAULT

Device 1 is Tektronix 4014, device 2 is off, and device 3 is a Postscript printer.

SYNONYMS

DEVICE ... MANUFACTURER

RELATED COMMANDS

DEVICE COLOR	=	Sets the device color.
DEVICE CONTINUITY	=	Sets the device continuity.
DEVICE PICTURE POINTS	=	Sets the device picture points.
DEVICE POWER	=	Sets the device power.

APPLICATIONS

Graphics device specification

IMPLEMENTATION DATE

Pre-1987

PROGRAM

DEVICE 1 X11
DEVICE 2 POSTSCRIPT
TITLE AUTOMATIC
PLOT SIN(X) FOR X = -6.28 0.01 6.28
PP
PLOT X**2 FOR X = 0 .1 9.9
QUIT

The device 2 output is saved in the file DPPL1F.DAT. This file can be printed on a Postscript printer using the standard print facilities on your local operating system (e.g., lpr -P<printer-id> dppl1f.dat on a Unix system).