

... TIC MARK LABEL SIZE

PURPOSE

Specifies the size (height) of the tic mark labels on subsequent plots.

DESCRIPTION

The size is the height of the character. The height is specified in vertical DATAPLOT 0 to 100 units. The width of the character is automatically given a value of one half the height. The width is specified in horizontal DATAPLOT 0 to 100 units. The tic mark label sizes hold for all subsequent plots until defaulted (via the ...TIC MARK LABEL SIZE command with no arguments) or overridden with new tic mark label sizes.

SYNTAX

<prefix>TIC MARK LABEL SIZE <size>

where <prefix> is one of the following:

X1	refers to the bottom horizontal side;
X2	refers to the top horizontal side;
X	refers to both horizontal sides;
Y1	refers to the left vertical side;
Y2	refers to the right vertical side;
Y	refers to both vertical sides;
no prefix	refers to all 4 sides;

and <size> is a number or parameter in the range 0 to 100 that specifies the desired character size (height).

EXAMPLES

```
TIC MARK LABEL SIZE 2
TIC MARK LABEL SIZE
X2TIC MARK LABEL SIZE 1.75
Y2TIC MARK LABEL SIZE 2.8
```

NOTE 1

Hardware generated characters are often restricted to a few specific sizes. DATAPLOT maps the requested size to the nearest hardware supported size.

NOTE 2

A ...TIC MARK LABEL SIZE command with no arguments reverts the setting to default; thus X1TIC MARK LABEL SIZE with no arguments reverts the bottom horizontal tic label size to 1.5. A ...TIC MARK LABEL SIZE command with no prefix refers to all 4 sides; thus TIC MARK LABEL SIZE 1 sets tic mark labels to 1 for all 4 frame lines. TIC MARK LABEL SIZE with no prefix and no arguments reverts the tic label size settings on all 4 sides to default.

DEFAULT

All tic mark label sizes are 1.5.

SYNONYMS

TIC LABEL SIZE is a synonym for TIC MARK LABEL SIZE, as in TIC LABEL SIZE 1.5 and X2TIC LABEL SIZE 1.7.

RELATED COMMANDS

TIC MARK LABEL	=	Specifies whether or not tic mark labels are drawn.
TIC MARK LABEL ANGLE	=	Sets the angle for tic labels.
TIC MARK LABEL CASE	=	Sets case for tic labels.
TIC MARK LABEL COLOR	=	Sets the color for tic labels.
TIC MARK LABEL CONTENTS	=	Specify alphanumeric values for tic labels.
TIC MARK LABEL DECIMALS	=	Sets the number of decimals for tic labels.
TIC MARK LABEL DIRECTION	=	Sets the direction (horizontal/ vertical) for TIC MARK labels.
TIC MARK LABEL DISPLACEMENT	=	Sets the distance between tic labels and the frame.
TIC MARK LABEL FONT	=	Sets the font for tic labels.
TIC MARK LABEL FORMAT	=	Sets the format (alphanumeric, power of 10, exponential) for tic labels.
TIC MARK LABEL HW	=	Sets the height and width for tic labels.
TIC MARK LABEL JUSTIFICATION	=	Sets the justification for tic labels.

TIC MARK LABEL THICKNESS = Sets the line width for tic labels.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```

LET Y = DATA 392 341 307 203 115 59 38 32 29 28
LET N = NUMBER Y
LET X = SEQUENCE 1 1 N
.
LINES BLANK ALL; BAR ON ALL
BAR WIDTH .5 ALL
BAR DIMENSION 3 ALL
BAR FILL ONTS ALL
XLIMITS 1 10
XTIC OFFSET 1 1
MAJOR XTIC MARK NUMBER 10
MINOR XTIC MARK NUMBER 0
X1TIC MARK LABEL FORMAT ALPHA
X1TIC MARK LABEL CONTENT APOLLO SUN HP DEC SYM SGI IBM DG TI XEROX
YLIMITS 0 500
TIC MARK LABEL SIZE 1.2
.
LEGEND 1 PRESENTATION GRAPHICS
LEGEND 2 3-D BAR HISTOGRAM
TITLE DEMONSTRATE TIC LABEL SIZE
TITLE SIZE 5
PLOT Y X X
    
```

