PERCENT DEFECTIVE

PURPOSE
Compute the percentage of defectives for a variable.

DESCRIPTION
The percent defective is the number of values of a variable (expressed as a percentage) that fall outside of some user specified tolerance limits.

SYNTAX
LET <par> = PERCENT DEFECTIVE <y>   <SUBSET/EXCEPT/FOR qualification>

where <y> is a response variable;

    <par> is a parameter where the computed percentage of defectives is stored;

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
LET A = PERCENT DEFECTIVE Y1
LET A = PERCENT DEFECTIVE Y1 SUBSET TAG > 2

NOTE
The upper and lower specification limits must be specified by the user as follows:

    LET LSL = <value>
    LET USL = < value>

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS

PERCENT DEFECTIVE PLOT	=	Generates a percent defective versus subset plot.
CONTROL CHART	=	Generate a control chart.
CP	=	Compute the C_p index.
CPK	=	Compute the C_{pk} index.
EXPECTED LOSS	=	Compute the expected loss of a sample.

APPLICATIONS
Quality Control

IMPLEMENTATION DATE
90/12

PROGRAM
SKIP 25
READ GEAR.DAT DIAMTER
LET USL = 1.01
LET LSL = .99
LET A = PERCENT DEFECTIVE DIAMETER