

Adding Upper and Lower Limits to an "Eval -e" Procedure Line

Overview:

It is sometimes necessary to use an "EVAL -e" FSC in a procedure to evaluate if a test is within two limits. The following example procedure gives several [JRM3] ways to do this evaluation.

Example Procedure:

INSTRUMENT: Example of "EVAL" with upper and

DATE: 1 lower limits 2002-06-03

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REVISION:

ADJUSTMENT THRESHOLD: 70% NUMBER OF TESTS: 4 NUMBER OF LINES: 47

Technical Bulletin #1003

Applies to:

MET/CAL® Version 6.XX

Level of difficulty:

Moderate

Issue date:

March 2004

Written by:

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STEP	FSC	RANGE	NOMINAL TOLERANCE MOD1	MOD2 3 4 CON
1.001 1.002 1.003	LABEL MEMI JMPL		Enter_Number Enter a number between -100 and +1 Good_Number ((MEM >= -100) +	
1.004 1.004 1.005 1.006 1.007 1.008 1.009	DISP DISP JMPL LABEL MATH MATH EVAL	-е	the number you entered ([MEM]) i -100 and +100!! Try again Enter_Number Good_Number M[1] = -100 ; M[2] = -50 S[1] = "Is " & MEM & " >= " & M[1] ((MEM >= M[1]) + (MEM < M[2])) > 1] & " and <" & M[2]
2.001 2.002 2.003	MATH MATH EVAL	- e	M[1] = -50 ; M[2] = 0 S[1] = "IS " & MEM & " >= " & M[1] ((MEM >= M[1]) + (MEM < M[2])) > 1	
3.001 3.002 3.003	MATH MATH EVAL	- e	M[1] = 0 ; M[2] = 50 S[1] = "IS " & MEM & " >= " & M[1] ((MEM >= M[1]) + (MEM < M[2])) > 1	
4.001 4.002 4.003	MATH MATH EVAL	- e	M[1] = 50 ; M[2] = 100 S[1] = "IS " & MEM & " >= " & M[1] ((MEM >= M[1]) + (MEM < M[2])) > 1	



Summary:

Using "EVAL –e" allows multiple ways of evaluating limits of data while still giving full description on the results.

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