

Macro	<code>ANAL(anlid, val1 {, val2}) INCR(r) or VALUE(r)</code>
<b>PURPOSE</b>	Analyze input data using an analyzer
<b>PARAMETERS</b>	
ANLID	Name of analyzer to be filled.
VAL1	Input value to the analyzer for dimension 1.
VAL2	For 2-dim. analyzers only: Input value to the analyzer for dimension 2.
<code>INCR(r)</code>	Accumulation increment. The specified data element of the analyzer ANLID is incremented by the value r. If omitted, an increment of 1 is assumed. r may be a number, a variable or an expression.
<code>VALUE(r)</code>	The specified data element of the analyzer ANLID is set to the value r. r may be a number, a variable or an expression.
<b>FUNCTION</b>	The input values are checked for lying inside the limits of the analyzer. For 1-dim. analyzers: The data element (VAL1) of the analyzer ANLID is accumulated or replaced. For 2-dim. analyzers: The data element (VAL1, VAL2) of the analyzer ANLID is accumulated or replaced. The condition flags are set accordingly. (See macro <code>AC</code> .)
<b>REMARK</b>	The options <code>INCR</code> and <code>VALUE</code> are exclusive. The index (indices) of an analyzer array may be given as a number or as a variable (see examples).
<b>EXAMPLES</b>	<code>ANAL(TOF, R_TOF) VALUE(0.34);</code>  <code>ANAL(M(3), R_MASS);</code>  <code>DO I = 1 TO 5;</code> <code>ANAL(M(I), R_MASS);</code> <code>END;</code>  <code>ANAL(DE_TOF, R_DE, R_TOF);</code>
<b>DECLARATION</b>	This macro may only be used in the analysis program. It is declared by <code>%INCLUDE '\FRSTOOLS\TRISATAN\SMACROS.PLI';</code>