

No	=				
<b>TESA UPC GAUGE BLOCK COMPARATOR EQUIPPED WITH SINGLE TEMPLATE SYSTEM</b>					
05930000	Standard execution without computer application				●
05930003	Execution for greater accuracy, with computer application			●	
<b>TESA UPC GAUGE BLOCK COMPARATOR EQUIPPED WITH SINGLE AND DUAL TEMPLATE SYSTEM</b>					
05930013	Execution for greater accuracy without computer application		●		
05930015	Execution for greater accuracy, with computer application	●			
<b>EACH VERSION CONSISTS OF:</b>					
01610401	TESA UPC mechanical part equipped with the single template system			●	●
05960030	TESA UPC mechanical part equipped with both single and dual template system	●	●		
03260401	Pneumatic retraction of the measuring bolt, manually operated				●
03260432	Electric vacuum pump with foot switch		●		
03260433	Electric vacuum pump with external control	●		●	
01660011	Pneumatic suction loader	●	●	●	
04430012	TESATRONIC electronic unit TT90	●	●	●	●
05960039	Set of TESA UPC accessories, including the components 04761049, 04760087 and 04761070				
04761049	Opto-RS cable, bidirectional	●		●	
04760087	Opto-RS interface	●		●	
04761070	Connecting cable TESATRONIC TT90 to vacuum pump	●		●	
04768000	Hand switch	●		●	
01690021	Option for greater accuracy with calibration certificate	●	●	●	

**Error of Measurement**

Provided all the metrological conditions are met, the reliability of the two standard executions No. 05930000 and 05930002 is expressed as follows:

Provided all the metrological conditions are met, the reliability of both executions No. 05930001 and 05930003 along with the option for greater accuracy (No. 01690021) is expressed as follows:

Repeatability limit (with no effect due to external temperature): 0,025 µm

Repeatability limit (with no effect due to external temperature): 0,015 µm

Measurement uncertainty\*  
 $U = \pm (0,10 + 1,0 \cdot L) \mu\text{m}$  (L in m)

Measurement uncertainty\*  
 $U = \pm (0,05 + 0,5 \cdot L) \mu\text{m}$  (L in m)

Condition involves the use of reference standards (see page L-14 and L-15) whose uncertainty is as follows:  
 $U \leq \pm 0,030 \mu\text{m}$   
 when calibrating the comparator  
 $U \leq \pm (0,05 + 0,5 \cdot L) \mu\text{m}$  (L in m)  
 when calibrating the gauge blocks

Condition involves the use of reference standards (see page L-14 and L-15) whose uncertainty is as follows:  
 $U \leq \pm 0,015 \mu\text{m}$   
 when calibrating the comparator  
 $U \leq \pm (0,02 + 0,2 \cdot L) \mu\text{m}$  (L in m)  
 when calibrating the gauge blocks

\* Applicable to steel gauge blocks

