

## TESA UP Software Programme for Value Processing

Suitable for both TESA gauge block comparators UPD and UPC as well as for comparators from other manufacturers.

- Choice of 10 languages.
- On-line processing of length and temperature values as transferred.
- Measurement cycles and result outputs according to EN ISO 3650.
- Flexible architecture for optimum adaptation to specific User's needs.
- Possible entry of limit values and accuracy grades peculiar to Users.
- Surveillance of value dispersion or value drift throughout length and temperature measurements.
- Automatic execution of all relevant corrections. The programme makes allowances for actual sizes of the reference standards, flattening due to different materials used (steel, tungsten carbide, ceramic), compensation of temperature variations with reference to 20°C according to the varying coefficients of linear expansion – as typical examples.
- Assignment of gauge blocks to their relevant grade.
- Possible storage of gauge block set related data.
- Inch or metric value processing.
- Calibration certificate in various versions.



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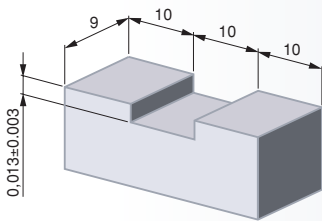


**TESA UP software programme for gauge block calibration**

Running under WINDOWS 98, 2000, NT, XP

*Software package including:*

1 CD-ROM plus 1 protective Hard-key



## Gauge Blocks for the Calibration of Comparators

To calibrate both TESA gauge block comparators UPD and UPC, we recommend the use of the pairs of gauge blocks detailed hereafter. The 9-piece set listed on page K-15 is additionally required for calibrating TESA UPD.

### Set Composition Including 6 Pairs of Gauge Blocks

Each pair is in full compliance with:

- EAL-G21 – Calibration of Gauge Block Comparators – European cooperation for Accreditation of Laboratories
- DKD-R 4-1 – Guidelines of the German Calibration Service (DKD) for the calibration of gauge block comparators.



µm

**Set of 6 pairs of gauge blocks for calibrating each comparator**

*Set composition as listed in the chart opposite. Supplied with:*

<b>S59110152</b>	Calibration certificate issued by the Physikalisch Technische Bundesanstalt (PTB)	± 0,015
<b>S59110489</b>	Calibration certificate issued by a laboratory accredited by the German calibration service (DKD)	± 0,030

Full tungsten carbide set also available on request



Pairs No	Nominal length	
	A mm	B mm
1	0,5	0,5
2	1,0	1,005
3	1,0	1,01
4	4,0	4,0
5	100,0	100,0
6	6,0	6,0*

\* Special bridge-shaped gauge blocks (see drawing) used for establishing the measuring deviations of lower probe B.



EN ISO 3650



Metric/Inch units

**Minimum profile requirements for the computer needed to run the TESA UP software programme**



Personal Computer

- Configuration without heat source to avoid disturbing the ambient temperature at the measurement spot.
- Operating system: Windows 98, 2000, NT or XP
- Processor: 650 MHz
- 1 Hard disc (6 GB)
- RAM capacity: 64 MB
- CD-ROM drive (24x)
- RS 232 serial port  
1 for length values  
1 for temperature values
- Centronics standard parallel port



EN ISO 3650



Special high-alloy steel,

wear resistant and stable. Exception: 6 mm special carbide gauge blocks.



Class K



The given expanded uncertainty

$k = 3$  refers to the difference of central length of both gauge blocks A and B forming the pairs 1 to 5 as well as to the deviations  $f_1$  and  $f_2$  from the central length of gauge blocks forming both pairs 2 and 3. No need to calibrate those of pair No. 6.



Wooden case



Identification number



PTB or DKD calibration certificate