

Universal digital bevel protractors

Digital bevel protractors for measuring both inside and outside angles. Equipped with a locking knob for measuring a specific angle.

- Measuring range: ± 360°.
- Resolution: 0.1°.
- Accuracy: ± 0.3°.
- On/off switch.
- Automatic switch-off.
- Zero setting at any position.
- Graduation rulers: 1 mm and 1/32 inch.
- Cross-section rulers: 35 x 2.5 mm.
- With fixing holes.
- Locking screw.
- Power supply: 1 battery type CR2032.



Item No.	Ruler length/mm
909.505	200
909.506	300
909.507	500

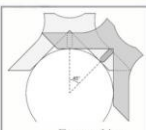
Option:
495.157 Spare battery

Magnetic clinometer with center point finder

Accurate clinometer with an extremely sensitive, balanced needle. The magnetic base with 90° V-groove is precision milled. The center point finder can be used as a center punch.

Very suitable for angular measurements, surface alignment, and the determination of center points and highest/lowest points of cylindrical and spherical surfaces. Therefore ideal as a universal aid to the installation of larger constructions.

- Measuring range: 360°.
- Graduation: 1°.
- Scale numbering: 0-360.
- Aperture V-groove (horizontal): 82 mm (for shafts up to ø 115 mm).
- Dimensions h x w x d: 130 x 130 x 27 mm.



For marking angles on cylindrical and spherical surfaces.



Item No.	Scale numbering
856.702	0-360

Options:
856.705 Wooden case
856.706 Suction magnifier glass
856.712 Center pin
ø 12 x 125 mm

Digital clinometer

- Measuring range: 0- ± 180°.
- Resolution: 0.1°.
- Accuracy: ± 0.2°.
- Rotatable display.
- Automatic switch-off.
- Hold function.
- Reference measurement function.
- With digital-analog read-out of the vial.
- With magnetic base with V-groove.
- Dimensions: 60 x 56 x 33 mm.
- Power supply: 2 batteries type AAA.



Item No.	Description
906.427	Digital clinometer

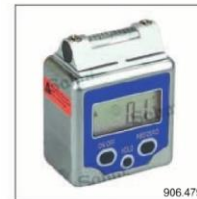
Option:
497.914 Spare battery (2 needed)

Digital clinometers

- Measuring range: ± 180° (with external sensor: ± 360°).
- Resolution: 0.1°.
- Accuracy 0- 10°: ± 0.1°, 10- 170°: ± 0.2°, 170- 180°: ± 0.1°.
- Repeatability: 0.1°.
- ABS/INC switchable (except 906.476).
- Automatic switch-off.
- Hold function (only 906.479).
- With magnetic base (906.476/479) or magnetic upper part (909.501/502).
- Dimensions: 51 x 51 x 33 mm (906.476 and 909.501/502).
- Power supply: 1 battery type CR2032.

Models with external sensor

- Accuracy 0- 10°: ± 0.1°, 10- 350°: ± 0.2°, 350- 360°: ± 0.1°.
- Sensor with mounting holes.
- Cable length: 1 m.
- Max. rotation speed: 600 rpm.



Item No.	Description
906.476	Standard model
906.479	With vial
909.501	With external sensor
909.502	With external sensor with axis ø 6 mm

Option:
495.157 Spare battery

Digital clinometer

Instrument for easy measurement of angles, flatness and squareness. All four sides are measuring faces. The measuring value is displayed upright at any time.

- Measuring range: 4 x 90°.
- Resolution: 0.1° (909.504: 0.05°).
- Accuracy 0- 10°: ± 0.1°, 10- 80°: ± 0.2°, 80- 90°: ± 0.1°.
- Repeatability: 0.1°.
- ABS/INC switchable.
- Large, easy-to-read LCD display.
- Automatic switch-off.
- Hold function.
- Delivered in a soft case.
- Blue backlight.
- Sound signal at stable value.
- °, mm/m, %, inch/ft conversion.
- Reference plane function.
- Measuring faces bottom- and upper-side with V-groove.
- With magnetic base (2 magnets).
- Protection: IP65.
- Dimensions l x w x h: 151 x 32 x 60 mm.
- Power supply: 2 batteries type AAA.



Digital clinometer

Instrument for easy measurement of inclination. Equipped with a horizontal and vertical vial. The measuring value is displayed upright at any time.

- Measuring range: 4 x 90°.
- Resolution 0- 1°: 0.05°, 1- 89°: 0.1°, 89- 90°: 0.05°.
- Accuracy 0- 1°: 0.05°, 1- 89°: 0.2°, 89- 90°: 0.05°.
- °, mm/m, %, inch/ft conversion.
- Large, easy-to-read LCD display with illumination.
- On/off switch.
- Hold function.
- Sound signal at: 0°, 90°.
- Measuring face on the bottom- and upper-side.
- Length: 600 mm.
- Delivered in a carrying bag.
- Power supply: 2 batteries type AAA.



Item No.	Description	Price EUR
906.477	Clinometer	

Option:
497.914 Spare battery (2 needed)

Laser alignment tool

With this alignment tool you can precisely, quickly and easily project vertical, horizontal and crossed laserlines. Within a range of ± 4° minor inclination errors are automatically compensated by means of the integrated spirit level, to level the projected horizontal line.

- Range: up to 5 m (dependent on the lighting conditions).
- Self-levelling range: 4°.
- Horizontal and vertical accuracy: ± 2 mm/m.
- Laser: 650 nm, class 2 conform to IEC 60825-1.
- Lock function for projecting at an angle and transport protection.
- Mounted on rotatable base.
- On/off switch.
- Diameter: ø 120 mm.
- Height: 170 mm.
- Weight: 420 g.
- Delivered in a plastic carrying case with tripod.
- Power supply: 2 batteries type AA.



Item No.	Description	Price EUR
909.499	Alignment tool	

Option:
495.111 Spare battery (2 needed)



Item No.	Description	Price EUR
909.504	With V-grooves and magnetic base	

Option:
497.914 Spare battery type AAA (2 needed)



TESA Clinobevel 1-USB digital clinometer

The TESA Clinobevel 1-USB is a compact and universal clinometer with four measuring faces and a reinforced aluminum housing, resistant to workshop conditions. For a higher accuracy 21 correction values can be stored. The software can perform calculations with two instruments and export automatic reports. A remote control device is optionally available, to take measurements without making contact with the Clinobevel or the measuring surface.

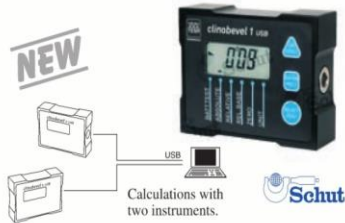
- Measuring range: $\pm 45^\circ$.
- Resolution: 0,025 mm/m ($5''$).
- Accuracy: 2 + 1 sd.
- USB data output.
- Read-out after approx. 1 s when idle.
- Dimensions: 100 x 75 x 30 mm.
- Protection: IP65.
- DIN 2276 T2.
- Delivered in a plastic carrying case with a manufacturer measuring report, batteries, USB cable (1.8 m), software and user manual.
- Power supply: 4 batteries type AA.

Read-out angles:

- degrees (2 or 4 decimals)
- degrees and minutes

Read-out inclination:

- mm/m (2 decimals)
- inch/10 inch or inch/12 inch (4 decimals)
- mm or inch/basis length (comparative mode)
- milliradians (whole or 2 decimals)
- gon (2 decimals)



Item No.	Type/description	Price EUR
781.545	Clinobevel 1-USB	
783.624	Clinobevel 1-USB	
Options:		
495.111	Spare battery (4 needed)	
779.050	Clinobevel Zapper remote control	
783.625	USB cable (1.8 m)	

*Without USB cable and software.

TESA Clinobevel 3 digital clinometer

The TESA Clinobevel 3 is a very accurate, robust and easy to use clinometer in cast iron or aluminum housing. Measuring values can be easily read from the clear LCD screen. Two sides are fitted with (optionally magnetic) measuring faces with a fine ground V-groove.

There are two models available:

- Measuring range: $\pm 60^\circ$ or $\pm 1^\circ$ (only available in the cast iron version),
- Resolution: 0,025 mm/m (60° model), 0,001 mm/m (1° model).



Especially suitable for calibration and measuring of straightness, flatness and squareness of high accuracy measuring and processing machines. For measurements in hard to reach places you can link the Clinobevel via bluetooth to the Android app and the readout will be displayed on your phone or tablet.

Ask for the detailed brochure

Clinometers

- Measuring range: $4 \times 90^\circ$.
- Graduation: 1° .
- Dimensions: 100 x 15 x 100 mm.



Item No.	Description
857.302	Clinometer with removable base 100 mm
857.304	Base 200 mm
857.305	Base 300 mm
857.306	Base 500 mm
857.307	Base 1000 mm
857.303	Clinometer with magnetic base 100 mm

Vernier clinometers

Clinometers with two ground bases with V-groove, or two flat magnetic bases. Vial holder with vernier and fine adjustment.

- Measuring range: $0-90^\circ$.
- Vernier: $10'$.
- Graduation vial: 0,3 mm/m $\approx 1'$.
- Dimensions: 150 x 39 x 150 mm.



Item No.	Description
857.300	Bases with V-groove
857.301	Flat magnetic bases

Clinometer

- Measuring range: $4 \times 90^\circ$.
- Graduation: 1° .
- Graduation vial: 2-5 mm/m.
- Flat base: 300 x 25 mm.
- With mounting holes.



Item No.	Description
853.669	Clinometer

Clinometer

To determine inclinations accurately. Fine-tuning by means of a screw thread spindle, which, to ensure a quick tuning, can be disconnected by pressing the button on the micrometer.

- Measuring range: $\pm 180^\circ$.
- Read-out in degrees and minutes.
- Scale numbering black clockwise, red counterclockwise.
- Graduation vial: 0,3 mm/m $\approx 1'$.
- Hardened and ground base, with V-groove.
- Base dimensions: 150 x 30 mm.
- Height: 124 mm.



Item No.	Description
857.310	Clinometer