

INCLINEO[®]

The high precision electronic inclinometer



High precision inclinometer

PRÜFTECHNIK Alignment Systems has developed a powerful system based on the high precision electronic inclinometer technology. INCLINEO® measures angularity at different positions on a surface enabling exact profile computation of machined surfaces.

In combination with easy-to-mount bracketing, it measures the inclination along edges, borders and even on vertical shafts. Its rotatable housing makes it possible to take measurements at any angular position.

The integrated wireless technology, combined with a 3-key operation makes INCLINEO® versatile, ensuring flexibility during measurements, making it an effective partner in advanced applications.

Three key operation

With just 3 keys it is possible to select the most suitable measurement options for the application.

Rotatable housing allowing high precision measurements on surfaces with steep inclination

Menu/Enter key
Arrow key



Advantages at a glance

- ▶ High precision electronic inclinometer for measurement of absolute or relative angles
- ▶ Rotatable housing allows measurement on surfaces with any inclination
- ▶ Outer ring with 30° marks and 5° scale on housing with integrated fine adjustment screw
- ▶ Wireless communication
- ▶ Powerful Windows® based PC software
- ▶ Compatible with PRÜFTECHNIK Alignment laser measuring systems
- ▶ Advanced filtering functions

For advanced applications

- ▶ Measurement on surfaces with any inclination
- ▶ Level, flatness or parallelism of surfaces
- ▶ Angularity measurements along edges and borders
- ▶ Plumbness of vertical shafts
- ▶ Parallelism of sloping surfaces
- ▶ Perpendicularity of planes
- ▶ Ideal for installation and service

INCLINEO® technical data

Measurement range	±10°	
Resolution	0.0003° [1"]	
Limits of error at calibration [Ta =22°C]	0.005% full scale 0.03% read out	
Limits of error at measurement [Ta =22°C]	Until 6 months after calibration	Until 12 months after calibration
	0.005% full scale 0.06% read out	0.005% full scale 0.12% read out
8-hour zero-point drift	0.04% full scale	
Digital Filter/Average	3rd order with 0.3 / 1 / 3 Hz options	
Temperature range	Storage: -40°C to 85°C Operation: -10°C to 60°C	
Display	LCD display, 132 x 32 pixel with LED backlight	
User interface	Three key operation	
Wireless communication	Embedded RF module with LED indicator	
External interface	RS-232 (serial) for computer and sensor; Connector for dial gauge	
Power supply	2 AA batteries	
Battery status indicator	3 LEDs	
Data storage	up to 999 measurements	

PRÜFTECHNIK Alignment Systems is the market leader in precision alignment. Our 'Made in Germany' hi-tech instruments are used in four fifths of the top industrial organisations around the world. INCLINEO® is our latest high precision alignment system.

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