Z-Nano

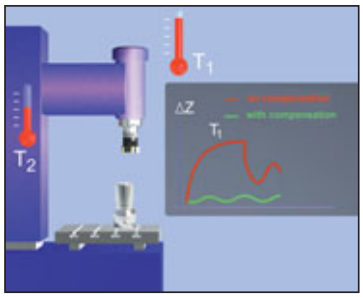
highest measuring accuracy

smallest tool diameters

reliable tool monitoring

BLUM

Z-Nano



The accuracy of today's machine tools is heavily influenced by temperature variation. The temperature differences within the machine caused by spindle motors, axis motion, workpiece machining, and sunlight cause errors that significantly exceed the workpiece tolerances. These drifts are identified and compensated by the Z-Nano.

Your advantage:
The Z-Nano provides constant high machine accuracy due to automatic correction of the drifted axis.

The probe Z-Nano allows fast, precise and automatic tool length measuring of various tool types.

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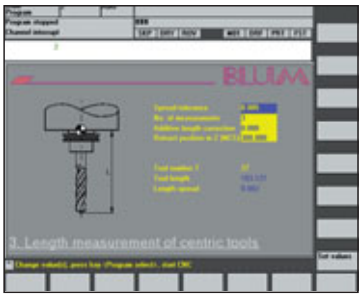


The proven standard software is the result of our extensive experience in the field of tool measurement.

Our universal NC macros are user-friendly and available for a variety of controls. Customized adaptations are also available.

Due to the linear working principle the probe provides a minimal and torque-free measuring force. Even the most sensitive and smallest tool diameters can be measured.

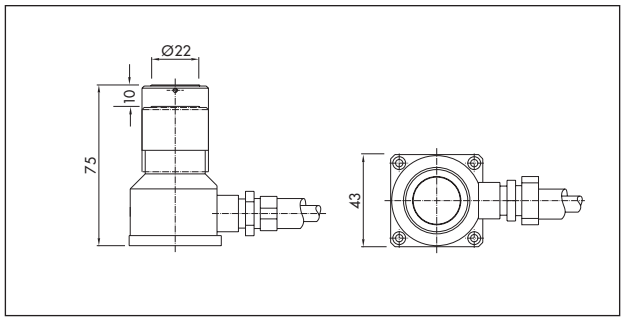
For high precision measurement of the smallest tool diameters, the Z-Nano is available in the "High Precision" (HP) version.

BLUM High Tech Measuring Systems guarantee the highest precision and reliability under the toughest working conditions.

For nearly twenty years the measuring systems by BLUM stand for constant manufacturing quality as well as minimal downtimes.

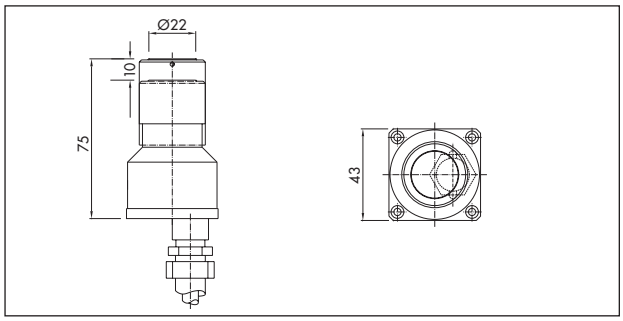
Optimized production quality and advanced materials ensure the reliability and precision of all BLUM Measuring Systems.

Z-Nano



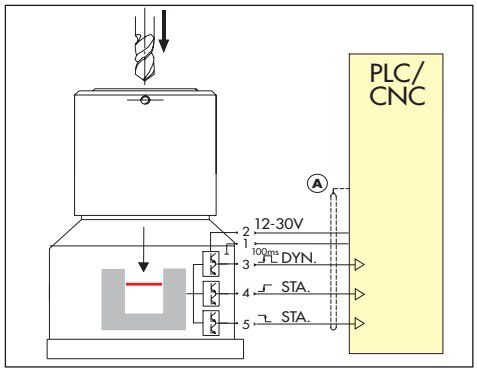
Z-Nano
P83.0175-045-A1

Z-Nano HP (High Precision)
P83.0175-045-A1-HP



Z-Nano
P83.0175-046-A1

Z-Nano HP (High Precision)
P83.0175-046-A1-HP



Technical Data

Protection class	IP 67	
Current supply	12–30 V DC / 100 mA	
Output	12–30 V DC / 50 mA	
	Standard	**High Precision (HP)**
Repeatability	± 0,5 µm	± 0,1 µm
Minimum tool diameter	> 0,5 mm	> 0,1 mm
Measuring force	2,5 N	2,0 N
Maximum stroke	10 mm	10 mm
Compatible with all standard controls, e.g. Fanuc, Siemens, Heidenhain, Mazatrol		

BLUM

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