

μLevel[®] II

First class inclination technology
made in Germany



	°C	°C/min	
T1:	21.1	0.07	AIR
T2:	21.3	0.01	☺
T3:	21.6	0.02	☺

⊙	18°C	± 0,0°	🔋
+		48	
▽		μm/m	





μLevel® II – Precision Tool for Practical Applications

Achieving precision in machine alignment is a critical aspect of both assembly and quality control, particularly when targeting accuracies as fine as 0,001 mm/m, often required in the realm of machine tools. Status Pro addresses this demand by providing a range of solutions, and among them is the μLevel – a system tailored for practitioners, facilitating swift and effortless on-site alignments and measurements.

Prior to each application, the system undergoes calibration, a process completed in under a minute, enabling prompt commencement of measurements. Its user-friendly design ensures that operational proficiency can be acquired within minutes. With a streamlined menu structure focusing on essential features, the μLevel minimizes the risk of errors, guaranteeing a swift and successful outcome.

Versions

Part No.	Name	Ring	Class	
BG 841100	SP μLevel II-A	red	± 1 μm/m (0.2 arcsec)	
BG 842100	SP μLevel II-B	white	± 5 μm/m (1.0 arcsec)	
BG 843100	SP μLevel II-C	green	± 10 μm/m (2.0 arcsec)	

Characteristics

Range: ± 10 mm/m

Accuracy: ± Class + 0,05 %, according to DIN 2276

Interface: Bluetooth and USB

Options

Part No. 841200: Cross slope

Part No. 841220: Temp compensation

Base types

- Stainless steel flat 150 mm
- Stainless steel flat 200 mm
- Stainless steel three-point 150 mm
- Stainless steel prismatic 150 mm



Special features

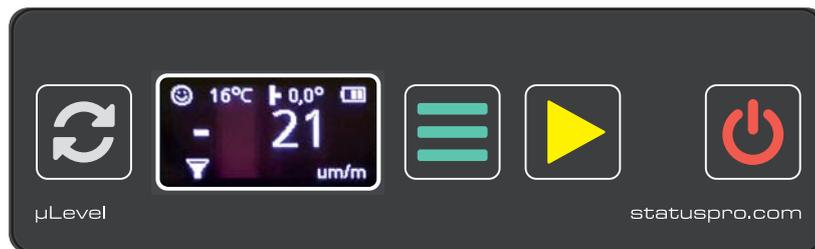
- ✓ Available in three accuracy classes: 1 $\mu\text{m}/\text{m}$, 5 $\mu\text{m}/\text{m}$, 10 $\mu\text{m}/\text{m}$
- ✓ Inclination LED
- ✓ USB-Port
- ✓ Bluetooth connection
- ✓ Wireless connection to the software
- ✓ Carrying handle can be tilted in three stages
- ✓ Carrying handle is detachable
- ✓ Pitch and Roll measurements
- ✓ Differential measurements
- ✓ Automated measurements in combination with D140 distance laser



The housing is mounted on floating bearings!

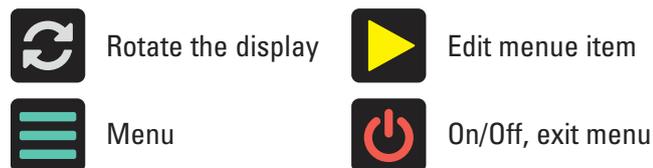
No stresses such as those caused by transferred to the base due to temperature be transferred to the base.

The control panel



The function buttons in combination with the value display impress with their simplicity and are also intuitive.

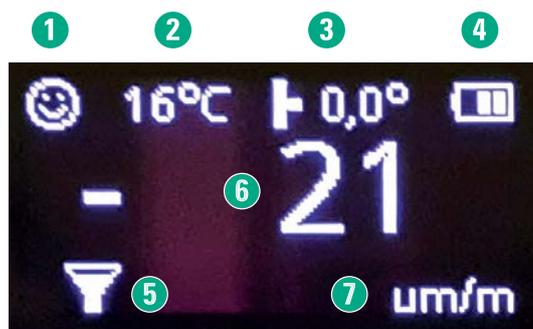
The buttons



The unit is oil-resistant!

When working on machine tools, it can happen that the instrument gets terminated with lubricating oil. No problem: wipe off and continue ...

Display indication



- 1 Temperature gradient ok
- 2 System temperature
- 3 Cross slope
- 4 Battery level
- 5 Measured value filter
- 6 Measured value
- 7 Measuring unit

Typical application:

μLevel 300 (ProTwist)



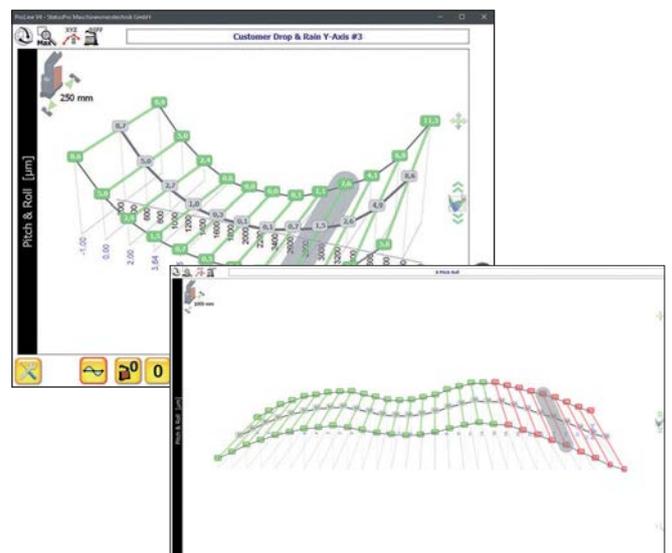
next	μLevel 1	μLevel 2
7	-0,025	-0,102
1	0,000	0,000
2	-0,011	-0,035
3	-0,015	-0,085
4	-0,028	-0,110
5	-0,026	-0,104
6	-0,025	-0,103

The ProTwist System is a highly precise system for measuring roll and pitch errors. The position of the system is automatically detected using the distance laser D140, triggering the measurement. Due to this automated measurement process, ProTwist is the easiest-to-use measurement system with the highest accuracy on the market.

Get ready to be surprised at how easy it is to conduct and document measurements. Upon powering up the systems and launching the software, the measurement systems automatically connect wirelessly. This not only allows for very rapid measurements but also ensures reproducibility. Many service teams worldwide use this system for machine setups and adjustments.



No setup needed! Just press the measurement button to capture the points.



Content:

μLevel® II – Digital Level with Bluetooth (BG 841100)

μLevel is a highly precise Spirit Level (1 μ/m) designed for machine alignment, assembly, and quality control. It is a superb instrument developed together with machine tool builders.

Easy to set and read. Very reliable, practical and extremely precise. With the Bluetooth interface, an external display device can be utilized, enabling the use of the level on a component without the need for direct reading. When paired with ProLine® packages, the μLevel can also serve as a sensor for twist measurements.



External Display Based on Android (IT 200612)

As an external display, we provide a smartphone based on Android. The device can be used as a display even without a SIM card. The smartphone combines IP68 certification and MIL-STD 810G standard to withstand even the toughest conditions. The 5" touchscreen is seamlessly integrated into the front, ensuring a user-friendly experience.



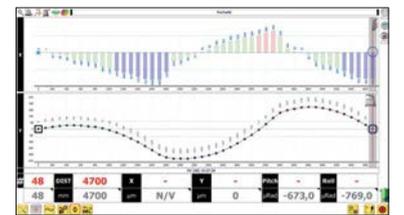
Software for Remote Display on Android System (SW 200190)

The software seamlessly connects with up to 2 μLevel devices simultaneously. It allows for the display of current measurements, zeroing, or representation as differential values. Additionally, measurement values can be stored and exported in CSV format for further use in spreadsheet programs, for example, in calculations and analyses.



ProLine® V4 Software Initial License (SW 200103)

The highly user-friendly ProLine Software can connect with up to 4 μLevel systems and one Disto simultaneously. This enables fully automated measurements of pitch and roll behavior for the first time. The intelligent software immediately calculates the corresponding elevations and visually represents them during the measurement. Moreover, a laser can be integrated into the software to measure lateral deviation.



Optional:

D140 Distance Measuring Device (BG 832200)

The D140 Distance Measuring Device by Status Pro measures the current displacement from itself to whatever it is pointing. Here it is used to monitor the distance traveled by the Spirit level assembly. Communication with the software is facilitated through Bluetooth.



DU420 Robust UMPC with Touchscreen (IT 200420)

Designed for on-site use, this PC features internal data connectivity to Status Pro sensors via USB and Bluetooth. It allows for hot-swappable batteries during operation, is shock-resistant, and provides rain protection.



μLevel® 100 Starter package*

Quantity	Part no.	Description
1	BG 841100#002	Inclinometer 1 μm/m, class A
1	IT 200612	External Display (Samsung Galaxy Xcover 5)
1	SW 200190	Android μLevel Control Software
1	DBPA SP USB-MICRO II	USB Stick for Status Pro Documents
1	BG 990135	μLevel II Case 150/200 mm
1	BT 800090	Battery Charger for 2x BT 800071
1	BT 800087	USB power supply 1000 mA
1	BT 951071	Sticker SP-Logo 78 x 39 mm, 3D label
2	BT 800071	Battery Pack Li-Ion, for T430, R280, R260, R290, R540, R545, D140
1	BT 990054	Storage box - plastic swivel pack
1	IT 200004#001	Bluetooth USB 4.0 Adapter, range up to 100 m
1	BT 991016	Certificate μLevel
1	BT 991017	User Guide μLevel



μLevel® 200 Standard package*

Quantity	Part no.	Description
2	BG 841100#002	Inclinometer 1 μm/m, class A
1	IT 200612	External Display (Samsung Galaxy Xcover 5)
1	SW 200190	Android μLevel Control Software
1	DBPA SP USB-MICRO II	USB Stick for Status Pro Documents
1	BG 990135	μLevel II Case 150/200 mm
1	BT 800090	Battery Charger for 2x BT 800071
1	BT 800087	USB power supply 1000 mA
1	BT 951071	Sticker SP-Logo 78 x 39 mm, 3D label
4	BT 800071	Battery Pack Li-Ion, for T430, R280, R260, R290, R540, R545, D140
1	BT 990054	Storage box - plastic swivel pack
1	IT 200004#001	Bluetooth USB 4.0 Adapter, range up to 100 m
1	BT 991017	User Guide μLevel
1	BT 991016	Certificate μLevel



μLevel® 300 Professional package*

Quantity	Part no.	Description
2	BG 841100#002	Inclinometer 1 μm/m, class A
1	IT 200612	External Display (Samsung Galaxy Xcover 5)
1	SW 200103	ProLine® V4 Software Initial License for R5XX & R3XX & μLevel
1	SW 200190	Android μLevel Control Software
1	DBPA SP USB-MICRO II	USB Stick for Status Pro Documents
1	BG 990135	μLevel II Case 150/200 mm
1	BT 800090	Battery Charger for 2x BT 800071
1	BT 800087	USB power supply 1000 mA
1	BT 951071	Sticker SP-Logo 78 x 39 mm, 3D label
4	BT 800071	Battery Pack Li-Ion, for T430, R280, R260, R290, R540, R545, D140
1	BT 990054	Storage box - plastic swivel pack
1	IT 200004#001	Bluetooth USB 4.0 Adapter, range up to 100 m
1	BT 991017	User Guide μLevel
1	BT 991016	Certificate μLevel



*Option: Things to consider

1. Choose the accuracy class you require (standard is class "A")
2. Choose your base material and type (150 mm is standard)
3. With the Distance Laser D-140, you can capture the position and fully automate measurements!

By the way ...

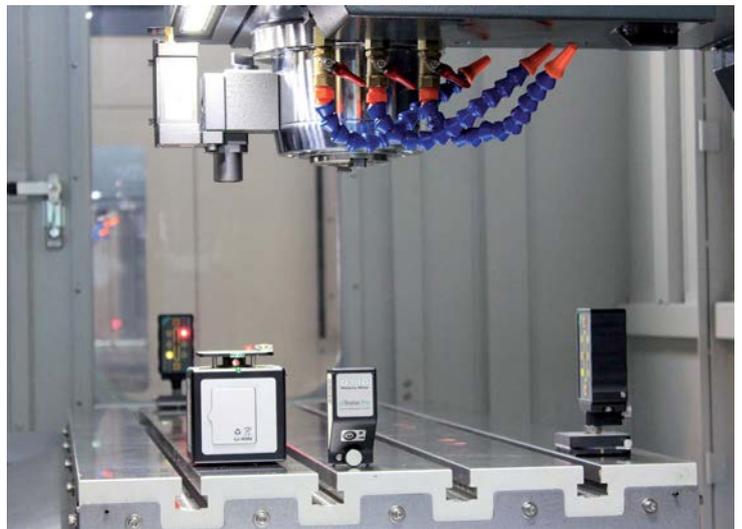
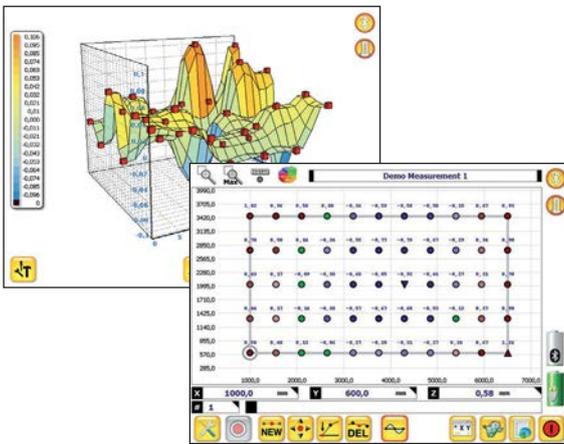
Spirit levels can often be used in combination with other technologies when measuring machine geometry. Especially in the alignment process the use of a laser like the T430 can be very helpful. Status Pro offers some of the best Laser Alignment Equipment in the world.

Two examples:



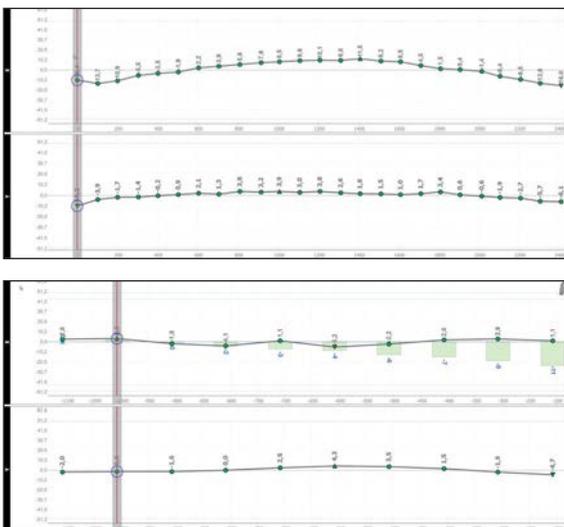
Levelling/Flatness

< 10 µm/m
setup < 5 min.



Straightness Measurement

setup 5 min.



Service Jobs for Increased Production and Efficiency



- Measurement of milling machines, boring machines
- Measurement of lathes
- Measurement of special machines
- Measurement of roll grinding machines
- Turbine measurement
- Development of measuring procedures
- Flatness of base frames
- Measurement of parallel bores

Our service team is dedicated to conducting jobs that enhance your production and efficiency to your utmost satisfaction. All our team members are well-trained specialists in their respective fields, ensuring a professional service equipped with optimal tools. We guarantee a service that meets your needs, backed by our team's expertise. Through our service interventions, we establish a direct connection to the industrial application of our products. This hands-on experience contributes to noticeable improvements and innovations, further solidifying our commitment to delivering excellence in every aspect of our service.



Repair and Calibration Services



We provide an in-house calibration service for our systems. Highly accurate measurement systems need to be regularly inspected and, if necessary, recalibrated. In our laboratory, we meticulously examine all system parameters, calibrate sensors, and update hardware, firmware, and software to the latest technological standards. Calibration provides you with the assurance that your machines are measured perfectly.

Our goal is to complete calibrations in less than 72 hours. In case your systems are urgently needed in your operations during this period, we offer rental systems to ensure uninterrupted workflow. Our commitment is to uphold the precision and reliability of your equipment through our efficient calibration services.



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