

INTRODUCTION **BLUESYSTEM MODULAR** EINFÜHRUNG

Assemble your own set for your application ...

Stellen Sie Ihr Set für Ihre Anwendung zusammen ...



INTRODUCTION **BLUESYSTEM MODULAR** **EINFÜHRUNG**

**The steps towards your solution.
Please choose.**

**Die Schritte zu Ihrer Lösung.
Bitte wählen Sie.**

- BlueLEVEL and wylerLEVEL product lines
- BlueLEVEL und wylerLEVEL Produktlinien



- Adapters
- Adapter



- Cables
- Kabel



- wylerTRIGGER
- wylerTRIGGER



- Remote display
- Fernanzeige



- Software
- Software



- Case
- Koffer



- SCS PLUS certificate
- SCS PLUS-Zertifikate



**BLUELEVEL AND
WYLERLEVEL PRODUCT LINES**

BLUESYSTEM MODULAR

**BLUELEVEL UND
WYLERLEVEL-PRODUKTLINIE**

BlueLEVEL
with flat measuring base
mit flacher Messbasis



BlueLEVEL
with angular measuring base
mit Winkelbasis

BlueLEVEL -2D



wylerLEVEL Frame 160mm

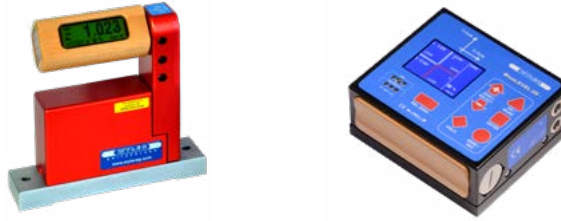


wylerLEVEL Frame 200mm

SPECIFICATIONS

BLUESYSTEM MODULAR

SPEZIFIKATIONEN



| TECHNICAL SPECIFICATIONS | BlueLEVEL | BlueLEVEL-2D | TECHNISCHE SPEZIFIKATIONEN |
|---|---|----------------|---|
| Sensitivity | 0.001 mm/m 0.2 arcsec | | Zifferschrittwert (Empfindlichkeit) |
| Measuring range | ±20 mm/m | | Messbereich |
| Limits of error (DIN 2276/2) | $M_W \leq 0.5 M_E$ max. 1 % M_W min. 1 digit | | Fehlergrenze (DIN 2276/2) |
| M_E = full-scale M_W = measured value | $M_W > 0.5 M_E$ max. 0.01 (2 M_W - 0.5 M_E) | | M_E = Messbereichsendwert M_W = Messwert |
| Temperature error (DIN 2276/2) / °C (Ø10 °C) | $M_W \leq 0.1 M_E$ max. 0.002 mm/m | | Temperaturkoeffizient (DIN 2276/2) / °C (Ø10 °C) |
| M_E = full-scale | $M_W > 0.1 M_E$ max. 0.020 mm/m | | M_E = Messbereichsendwert |
| Twist error of sensor X <> Y | ----- | max. 0.02 mm/m | Twistfehler der Sensoren X <> Y |
| Response time (DIN 2276/2) | | < 5 sec | Einstelldauer (DIN 2276/2) |

| TECHNICAL SPECIFICATIONS | BlueLEVEL | BlueLEVEL-2D | BlueMETER SIGMA | TECHNISCHE SPEZIFIKATIONEN |
|--|---|--|-------------------|---|
| Digital output | RS232 / RS485, asynchronous, 7 DataBits, 2 StopBits, no parity, 9600 bps | | | Digitalausgang |
| Batteries size C Optional (rechargeable) | 2 x 1.5 V Alkaline 2 x 1.2 V NiMH | | | Batterien Grösse C Alternative (wiederaufladbar) |
| External power supply | + 5 V DC (USB) | + 5 V DC (USB) | + 5 V DC (USB) | Externe Stromversorgung |
| | --- | + 24 V DC | + 24 V DC | |
| Operating temperature | 0 ... + 40 °C | | | Betriebstemperatur |
| Storage temperature | - 30 ... + 70 °C | | | Lagertemperatur |
| Net weight, including batteries (BlueLEVEL without measuring base) | 1200 g | 1400 g | 835 g | Netto-Gewicht, inklusive Batterien (BlueLEVEL ohne Messbasis) |
| Dimensions | | | | Abmessungen |
| - Length | ----- | 127 mm | 152 mm | - Länge |
| - Width | ----- | 110 mm | 96 mm | - Breite |
| - Height | ----- | 56 mm | 34/40 mm | - Höhe |
| Radio transmission Frequency | Bluetooth ISM Band / 2,4000 ... 2,4835 GHz | | | Funkübertragung Frequenz |
| Range of Bluetooth communication within BlueLEVEL Product line with free line of sight | ca. 35 m | | | Reichweite der Bluetooth Kommunikation innerhalb der BlueSYSTEM Produktlinie bei direkter Sichtverbindung |
| CE conformity | Meets emission and immunity requirements | Erfüllt die Standards für Emission und Störfestigkeit | | CE-Konformität |

SPECIFICATIONS

BLUESYSTEM MODULAR

SPEZIFIKATIONEN

| Units | Decimals Dezimal- stellen | Formats of value in display Darstellungsformate des Wertes in der Anzeige | | | Unit in display Einheit in der Anzeige | Einheiten |
|---------------------------------------|---------------------------------|--|--------------|-----------------|--|--|
| | | BlueLEVEL | BlueLEVEL-2D | BlueMETER SIGMA | | |
| mm per m | 2 | | xxxx.xx | xxxx.xx | mm/m | mm pro m |
| mm per m | 3 | xx.xxx | xxx.xxx | xxx.xxx | mm/m | mm pro m |
| mm per m | 4 | | | xx.xxxx | mm/m | mm pro m |
| Inch per 10 inch | 4 | | xx.xxxx | xx.xxxx | "/10" | Zoll pro 10 Zoll |
| Inch per 10 inch | 4 | | xx.xxxx | xx.xxxx | "/12" | Zoll pro 10 Zoll |
| milli radian | 2 | | xxxx.xx | xxxx.xx | mRad | Milli-Radian |
| milli radian | 3 | | xxx.xxx | xxx.xxx | mRad | Milli-Radian |
| mm per relative base | 2 | | xxxx.xx | xxxx.xx | mm/REL | mm pro relative Basis |
| mm per relative base | 3 | xx.xxx | xxx.xxx | xxx.xxx | mm/REL | mm pro relative Basis |
| mm per relative base | 4 | | | xx.xxxx | mm/REL | mm pro relative Basis |
| Inch per relative base | 4 | | xx.xxxx | xx.xxxx | "/REL | Zoll pro relative Basis |
| artillery per mill | 2 | | xxxx.xx | xxxx.xx | A%0 | Artillerie Promille |
| per mill | 2 | | xxxx.xx | xxxx.xx | %0 | Promille |
| per cent | 3 | | xxx.xxx | xxx.xxx | % | Prozent |
| degree | 1 | | | xxx.x° | DEG | Grad |
| degree | 2 | | | xxx.xx° | DEG | Grad |
| degree | 3 | | xxx.xxx° | xx.xxx° | DEG | Grad |
| degree | 4 | | xx.xxxx° | xx.xxxx° | DEG | Grad |
| degree + arc minutes | | | xx°xx' | xx°xx' | DEG | Grad + Bogenminuten |
| degree + arc minutes + arc seconds | | | xx°xx'xx" | xx°xx'xx" | DEG | Grad + Bogenminuten + Bogensekunden |
| arc minutes + arc seconds | | | xxxx'xx" | xxxx'xx" | DEG | Bogenminuten + Bogensekunden |
| arc seconds | | | xxxxxx" | xxxxxx" | DEG | Bogensekunden |
| arc seconds | 1 | xxx.x" | xxxxx.x" | xxxxx.x" | DEG | Bogensekunden |
| centesimal degree | 3 | | xxx.xxx | xxx.xxx | GON | Neugrad |
| centesimal degree | 4 | | | xx.xxxx | GON | Neugrad |
| slope | | | 1/xxxx | 1/xxxx | SLOPE | Gefälle |

**EXAMPLE FOR THE DERIVATION
OF A PART NUMBER**
BLUESYSTEM MODULAR
**BEISPIEL FÜR DIE HERLEITUNG
DER PRODUKTNUMMER**
STRUCTURE OF A STANDARD PART NUMBER
ttt-bbb-xxx-sss
AUFBAU EINER STANDARD-PRODUKTNUMMER
Type of Instrument
016Sbbb-xxx-sss
Geräte Typ


010 – Minilevel A10
011 – MINILEVEL NT
016S - BlueLEVEL radio

Length of base / mm
ttt-150-xxx-sss
Länge der Messbasis / mm

110 – 110 mm
150 – 150 mm
200 – 200 mm

Base type
ttt-bbb-243-sss
Basentyp
Shape

Horizontal base
Angular base
Frame base

Form

Horizontalbasis
Winkelbasis
Rahmen

Measuring contact faces

Flat
Prismatic
Magnetic inserts

Messflächen

Flach
Prismatisch
Magneiteinsätze

Material

Cast iron
Hardened steel
Aluminum

Material

Grauguss
Stahl gehärtet
Aluminium


Sensitivity
ttt-bbb-xxx-001
**Zifferschrittwert
(Empfindlichkeit)**

001 – 0.001 mm/m
005 – 0.005 mm/m

BlueLEVEL radio
016S150-243-001
BlueLEVEL Funk

Angular base, cast iron
Base length 150 mm
Prismatic contact faces
Sensitivity 0.001 mm/m

Winkelbasis, Grauguss
Basenlänge 150 mm
Prismatische Messflächen
Zifferschrittwert 0.001 mm/m



BLUELEVEL DRILLING PATTERN

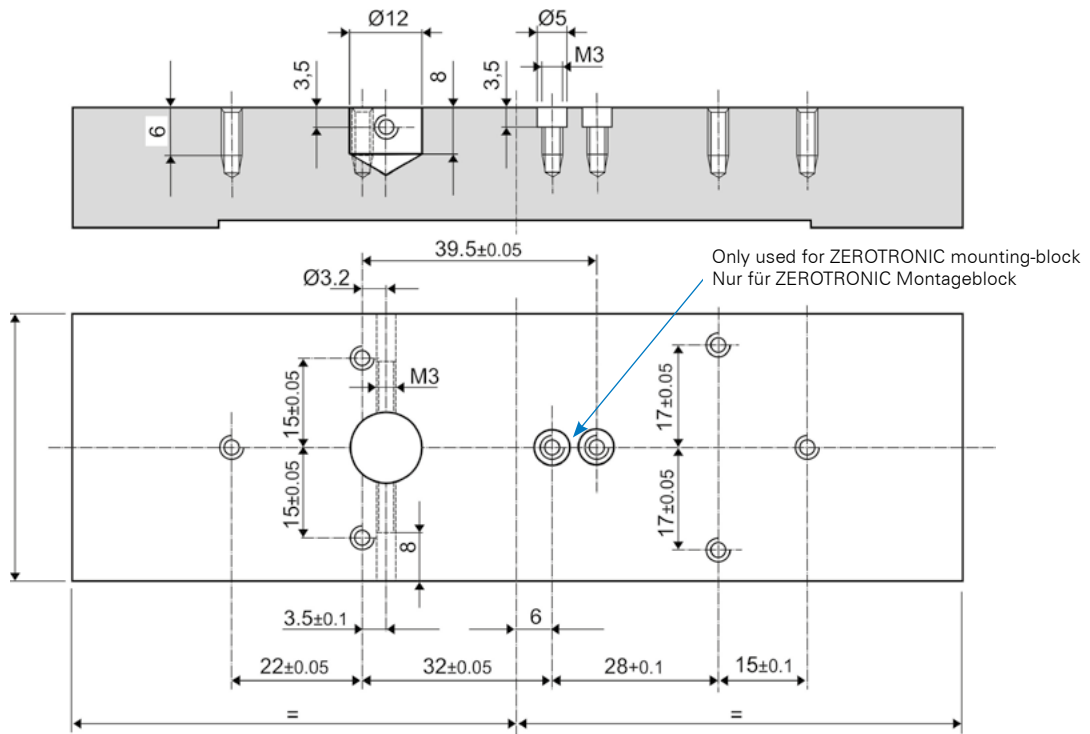
**BLUELEVEL PRODUCT LINE
BLUESYSTEM MODULAR**

BLUELEVEL BOHRBILD

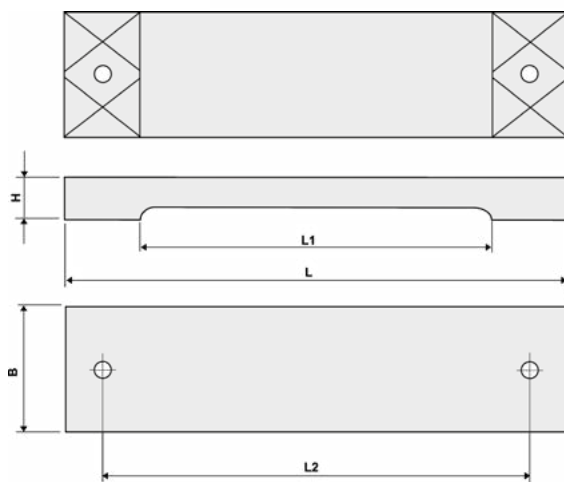
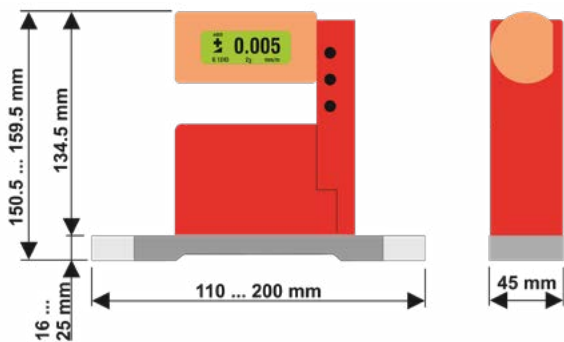
DRILLING PATTERN FOR ALL MEASURING BASES

BOHRBILD FÜR ALLE MESSBASEN

BlueLEVEL + ZEROTRONIC-Sensor



BLUELEVEL TYPE 122 + 126 BLUESYSTEM MODULAR BLUELEVEL Typ 122 + 126



| L | L1 | L2 | B | H | Weight / Gewicht | |
|-----|-----|-----|----|----|-------------------------------|------------------------|
| | | | | | Aluminum Aluminium / kg | Steel Stahl / kg |
| 110 | 68 | --- | 45 | 16 | 0.192 | 0.575 |
| 150 | 100 | 130 | 45 | 16 | 0.258 | 0.776 |
| 200 | 140 | 170 | 45 | 20 | 0.450 | 1.350 |

| General: | Allgemein: |
|--|--|
| <ul style="list-style-type: none"> Horizontal measuring base Flat contact faces precision lapped 2 through holes Ø 7 mm (for base length 150 mm and 200 mm) | <ul style="list-style-type: none"> Horizontale Messbasis Flache Auflageflächen präzise geläpft 2 Durchgangsbohrungen Ø 7 mm (für Basislängen 150 mm und 200 mm) |
| <ul style="list-style-type: none"> Hardened steel Contact faces with dust grooves Other surfaces nickel-plated | <ul style="list-style-type: none"> Stahl gehärtet Flache Auflageflächen mit Staubnuten Übrige Flächen vernickelt |
| <ul style="list-style-type: none"> Aluminum Surfaces coated | <ul style="list-style-type: none"> Aluminium Oberflächen beschichtet |

| Base length Basislänge | Distance of 2 mounting holes Ø7 mm Abstand der 2 Bohrungen Ø7 mm | Hardened steel Stahl gehärtet | Aluminum Aluminium | P/N Produktnummer |
|---------------------------|---|----------------------------------|-----------------------|----------------------|
| 110 | --- | X | | 016S110-122-001 |
| 110 | --- | | X | 016S110-126-001 |
| 150 | 130 | X | | 016S150-122-001 |
| 150 | 130 | | X | 016S150-126-001 |
| 200 | 170 | X | | 016S200-122-001 |
| 200 | 170 | | X | 016S200-126-001 |

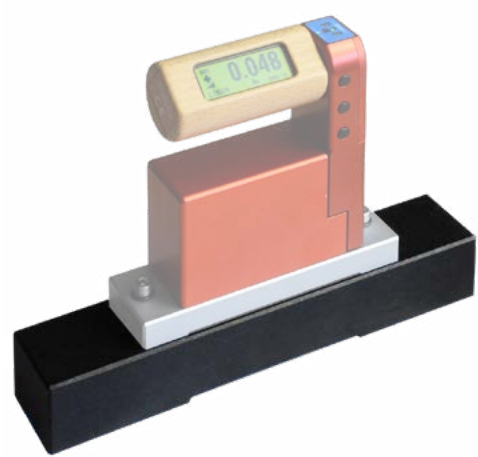
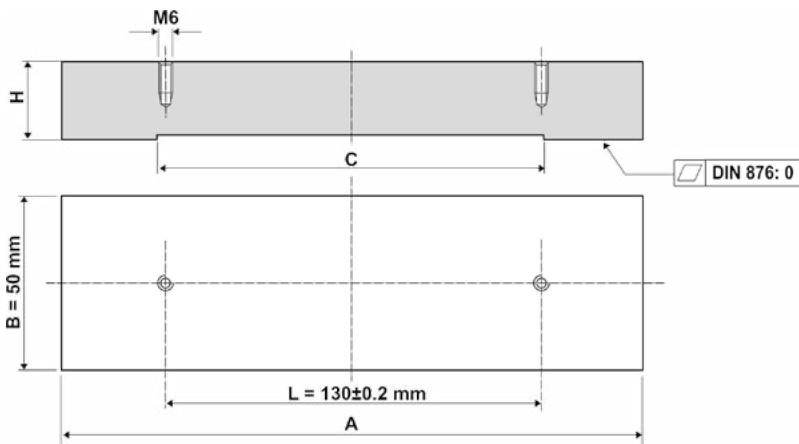
| Scope of delivery | Lieferumfang |
|---|---|
| <ul style="list-style-type: none"> 1 BlueLEVEL 2 batteries 1.5V, size C | <ul style="list-style-type: none"> 1 BlueLEVEL 2 Batterien 1.5V, Grösse C |

ADAPTER FOR BLUELEVEL BLUESYSTEM MODULAR ADAPTER FÜR BLUELEVEL

... to mount on horizontal measuring bases with
 • 2 through holes Ø 7 mm distance 130 mm
 • slots at either end

... zur Befestigung an horizontalen Messbasen mit
 • 2 Durchgangsbohrungen Ø 7 mm Abstand 130 mm
 • Schlitz an beiden Enden

| A / mm | B / mm | C / mm | H / mm | Weight / Gewicht / kg |
|-----------|-----------|-----------|-----------|--------------------------|
| 200 | 50 | 80 | 35 | 1.050 |
| 250 | 50 | 100 | 40 | 1.500 |
| 500 | 50 | 200 | 80 | 5.950 |



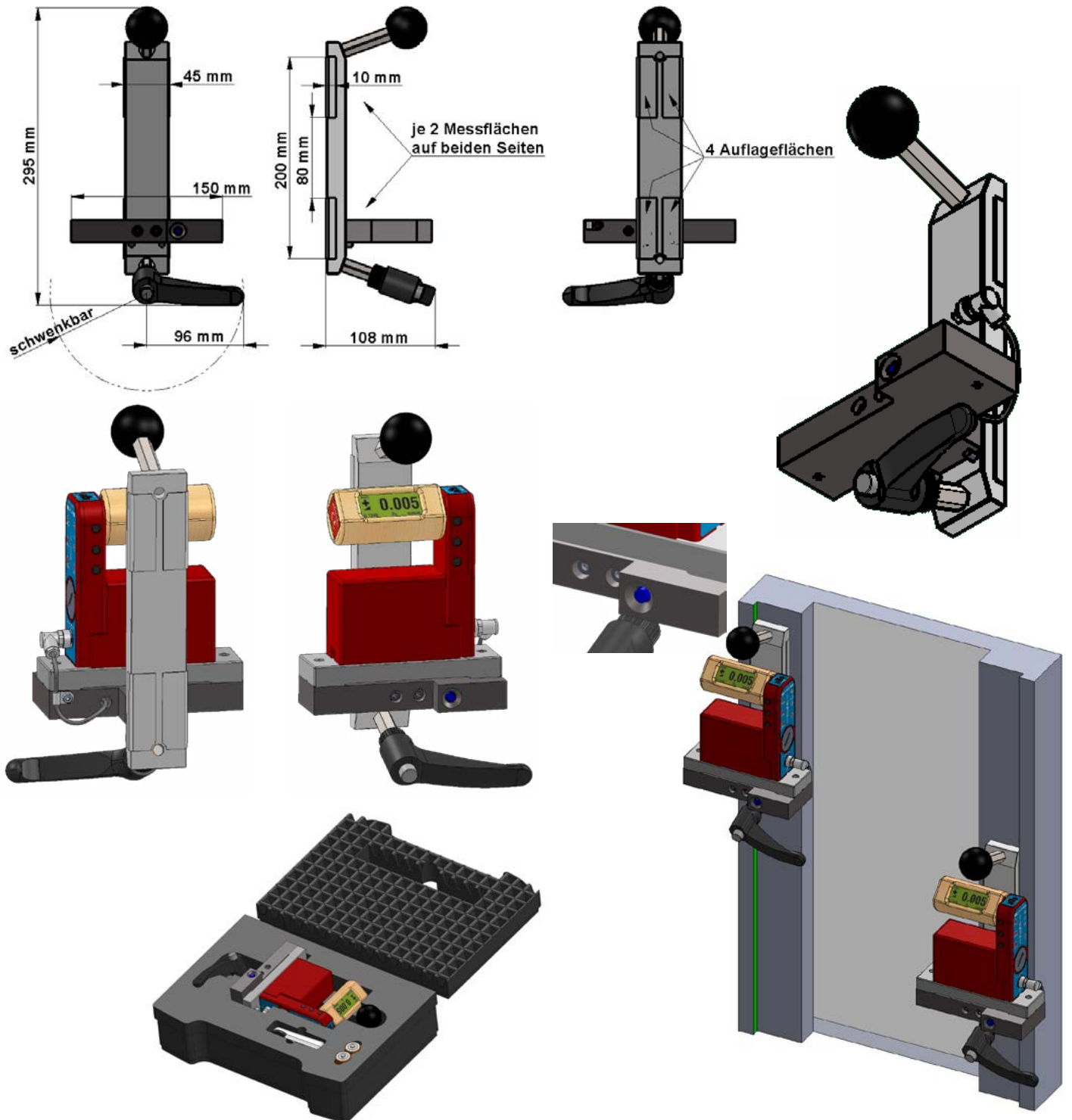
| General: | P/N Produktnummer | Allgemein: |
|---|------------------------|--|
| <ul style="list-style-type: none"> • Horizontal screw on measuring base • Flat contact faces • Granite | | <ul style="list-style-type: none"> • Horizontale Aufschraub-Messbasis • Flache Auflageflächen • Hartgestein |
| Base length 200 mm For step length 90...190 mm, considering a borderzone typical step length 150 ... 190 mm | 051-200-124-130 | Basislänge 200 mm für Schrittlänge 90 ... 190 mm, bei Beachtung eines Randabstands typische Schrittlänge 150 ... 190 mm |
| Base length 250 mm For step length 110...240 mm, considering a borderzone typical step length 200 ... 240 mm | 051-250-124-130 | Basislänge 250 mm für Schrittlänge 110...240 mm, bei Beachtung eines Randabstands typische Schrittlänge 200 ... 240 mm |
| Base length 500 mm For step length 210...490 mm, considering a borderzone typical step length 450 ... 490 mm | 051-500-124-130 | Basislänge 500 mm für Schrittlänge 210...490 mm, bei Beachtung eines Randabstands typische Schrittlänge 450 ... 490 mm |

| Scope of delivery | Lieferumfang |
|---|---|
| <ul style="list-style-type: none"> • 1 granite base • 2 screws M6 and washers | <ul style="list-style-type: none"> • 1 Hartgesteinbasis • 2 Schrauben M6 mit Unterlegscheiben |

ADAPTER FOR BLUELEVEL

BLUESYSTEM MODULAR

ADAPTER FÜR BLUELEVEL



Screw-on measuring base for measuring straightness and parallelism of opposite shoulders along vertical guideways

P/N
Produktnummer

Aufschraubmessbasis zum Messen von Geradheit und Parallelität von gegenüberliegenden Schultern entlang vertikaler Führungsbahnen

Base for shoulder measurements for step length 90 ... 190 mm

400-150-230-SM

Schultermessbasis für Schrittlänge 90 ... 190 mm

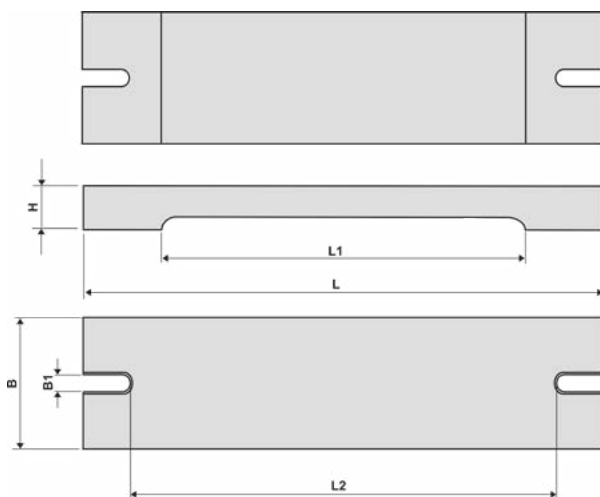
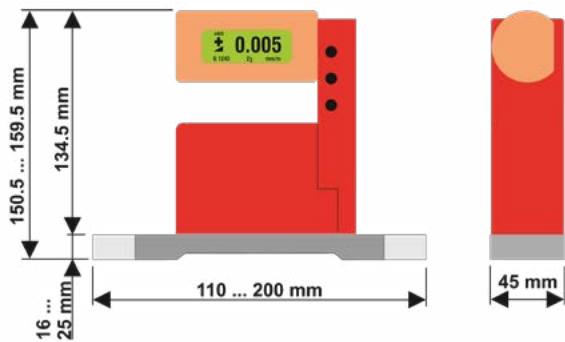
Scope of delivery

- 1 adapter base
- 2 screws M6 and washers
- case

Lieferumfang

- 1 Adapterbasis
- 2 Schrauben M6 und Unterlegscheiben
- Gerätekofter

BLUELEVEL TYPE 133 + 136 BLUESYSTEM MODULAR BLUELEVEL Typ 133 + 136

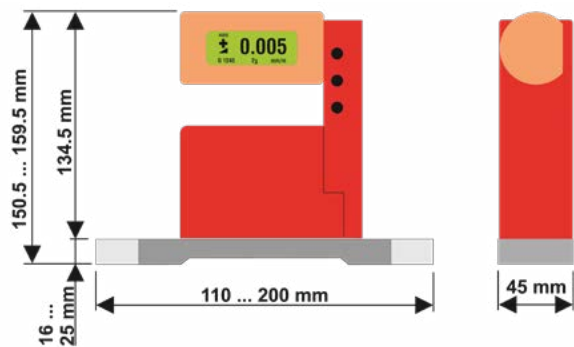


| L | L1 | L2 | B | B1 | H | Weight / Gewicht | |
|-----|-----|-----|----|----|----|------------------|-------------------------|
| | | | | | | Aluminium / kg | Cast iron Grauguss / kg |
| 150 | 100 | 113 | 45 | 7 | 16 | 0.253 | 0.750 |
| 200 | 140 | 162 | 45 | 7 | 20 | 0.417 | 1.250 |

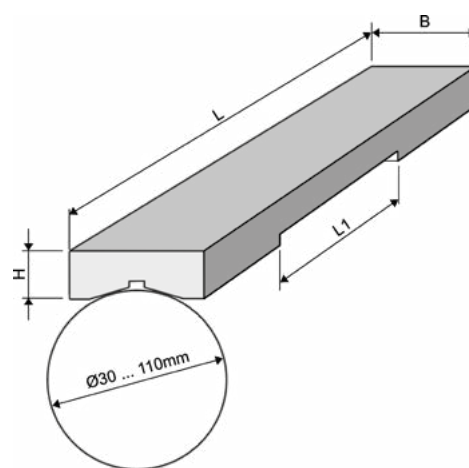
| General: | Allgemein: |
|---|--|
| <ul style="list-style-type: none"> Horizontal measuring base Flat contact faces with slots at either end | <ul style="list-style-type: none"> Horizontale Messbasis Flache Auflageflächen mit Schlitten an beiden Enden |
| <ul style="list-style-type: none"> Cast iron Contact faces hand scraped Other surfaces nickel-plated | <ul style="list-style-type: none"> Grauguss Auflageflächen handgeschabt Übrige Flächen vernickelt |
| <ul style="list-style-type: none"> Aluminium Surfaces coated | <ul style="list-style-type: none"> Aluminium Oberflächen beschichtet |

| Base length Basislänge / mm | Cast iron Grauguss | Aluminium Aluminium | P/N Produktnummer |
|-----------------------------------|-----------------------|------------------------|----------------------|
| 150 | X | | 016S150-133-001 |
| 150 | | X | 016S150-136-001 |
| 200 | X | | 016S200-133-001 |
| 200 | | X | 016S200-136-001 |

| Scope of delivery | Lieferumfang |
|---|--|
| <ul style="list-style-type: none"> 1 BlueLEVEL 2 batteries 1.5V, size C | <ul style="list-style-type: none"> 1 BlueLEVEL 2 Batterien 1.5V, Größe C |

BLUELEVEL
TYPE 113+117
BLUESYSTEM MODULAR
BLUELEVEL
Typ 113+117


| L | B | L1 | H | Weight / Gewicht |
|------|------|------|------|-------------------------------|
| / mm | / mm | / mm | / mm | Cast iron Grauguss / kg |
| 110 | 45 | 40 | 16 | 0.436 |
| 150 | 45 | 50 | 20 | 0.790 |
| 200 | 45 | 80 | 24 | 1.300 |


General:

- Horizontal measuring base
- Prismatic contact faces for shafts with $\varnothing 30 \dots 110$ mm
- Cast iron
- Contact faces hand scraped
- Other surfaces nickel-plated

Allgemein:

- Horizontale Messbasis
- Prismatische Auflageflächen für Wellen mit $\varnothing 30 \dots 110$ mm
- Grauguss
- Auflageflächen handgeschabt
- Übrige Flächen vernickelt

| Base length Basislänge | Magnetic inserts Magneiteinsatz | P/N Produktnummer |
|---------------------------|------------------------------------|----------------------|
| / mm | | |
| 110 | | 016S110-113-001 |
| 110 | X | 016S110-117-001 |
| 150 | | 016S150-113-001 |
| 150 | X | 016S150-117-001 |
| 200 | | 016S200-113-001 |
| 200 | X | 016S200-117-001 |

Scope of delivery

- 1 BlueLEVEL
- 2 batteries 1.5V, size C

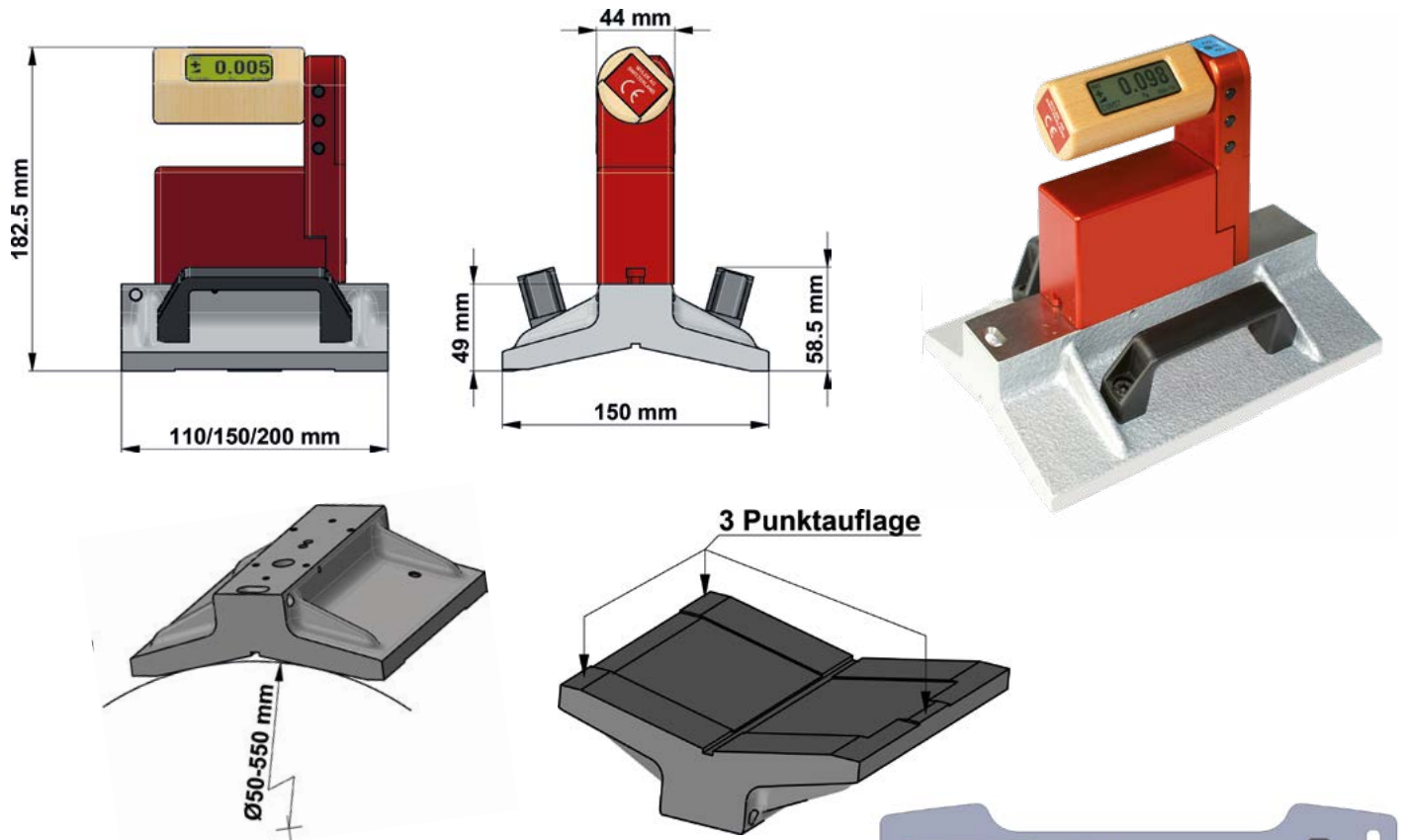
Lieferumfang

- 1 BlueLEVEL
- 2 Batterien 1.5V, Grösse C

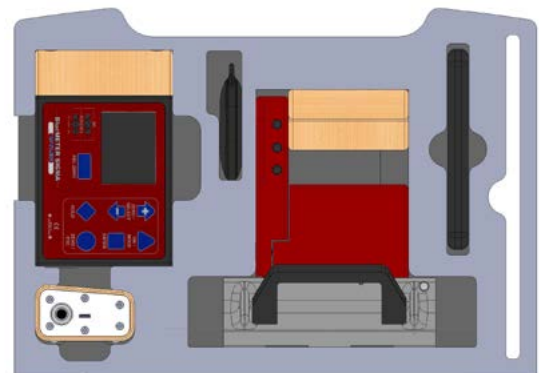
BLUELEVEL TYPE 173

BLUESYSTEM MODULAR

BLUELEVEL Typ 173



| L / mm | B / mm | H / mm | Weight / Gewicht / kg |
|-----------|-----------|-----------|--------------------------|
| 110 | 150 | 49 | 2.400 |
| 150 | 150 | 49 | 3.300 |
| 200 | 150 | 49 | 4.650 |



General:

- Horizontal measuring base
- Prismatic contact faces for shafts with $\varnothing 50 \dots 550$ mm
- Cast iron
- Contact faces hand scraped
- Other surfaces spray painted

Allgemein:

- Horizontale Messbasis
- Prismatische Auflageflächen für Wellen mit $\varnothing 50 \dots 550$ mm
- Grauguss
- Auflageflächen handgeschabt
- Übrige Flächen Hammerschlag lackiert

| Base length Basislänge / mm | Transverse vial Querlibelle | Extra handles Separate Griffe | P/N Produktnummer |
|-----------------------------------|--------------------------------|----------------------------------|----------------------|
| 110 | | | 016S110-173-001 |
| 150 | X | X | 016S150-173-001 |
| 200 | X | X | 016S200-173-001 |

Scope of delivery

- 1 BlueLEVEL
- 2 batteries 1.5V, size C

Lieferumfang

- 1 BlueLEVEL
- 2 Batterien 1.5V, Grösse C

Scope of delivery

- Case for BlueLEVEL with Base Type 17x

P/N
Produktnummer

422-023B0012

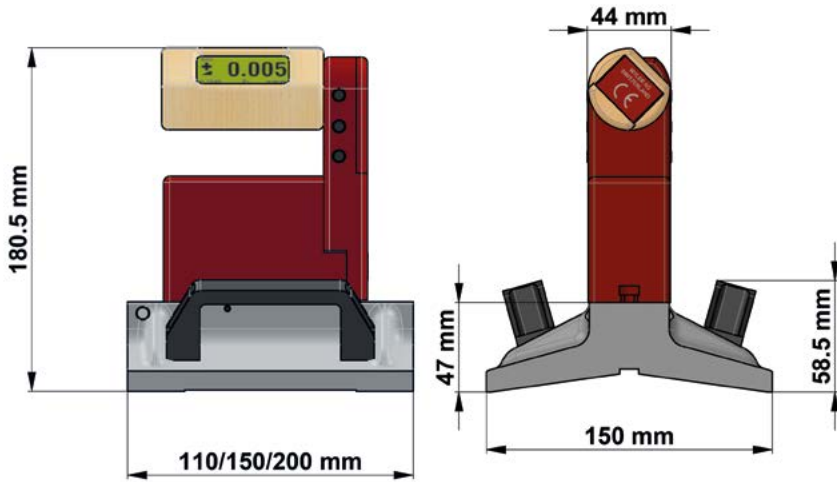
Lieferumfang

- Koffer für BlueLEVEL mit Basis 17x

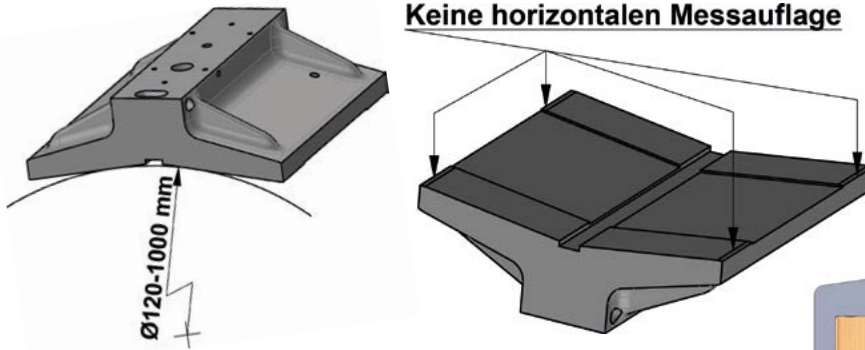
BLUELEVEL TYPE 17B

BLUESYSTEM MODULAR

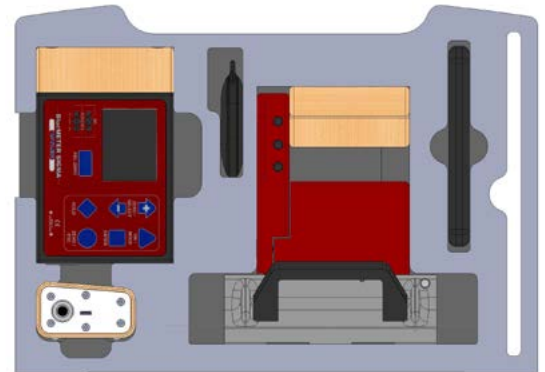
BLUELEVEL Typ 17B



Keine horizontalen Messauflage



| L / mm | B / mm | H / mm | Weight / Gewicht / kg |
|-----------|-----------|-----------|--------------------------|
| 110 | 150 | 47 | 2.400 |
| 150 | 150 | 47 | 3.300 |
| 200 | 150 | 47 | 4.650 |



General:

- No horizontal measuring base
- Prismatic contact faces for shafts with Ø 120 ... 1000 mm
- Cast iron
- Contact faces hand scraped
- Other surfaces spray painted

Allgemein:

- Keine horizontale Messbasis
- Prismatische Auflageflächen für Wellen mit Ø 120 ... 1000 mm
- Grauguss
- Auflageflächen handgeschabt
- Übrige Flächen Hammerschlag lackiert

| Base length Basislänge / mm | Transverse vial Querlibelle | Extra handles Separate Griffe | P/N Produktnummer |
|-----------------------------------|--------------------------------|----------------------------------|------------------------|
| 110 | | | 016S110-17B-001 |
| 150 | X | X | 016S150-17B-001 |
| 200 | X | X | 016S200-17B-001 |

Scope of delivery

- 1 BlueLEVEL
- 2 batteries 1.5V, size C

Lieferumfang

- 1 BlueLEVEL
- 2 Batterien 1.5V, Grösse C

Scope of delivery

- Case for BlueLEVEL with Base Type 17x

P/N
Produktnummer

422-023B0012

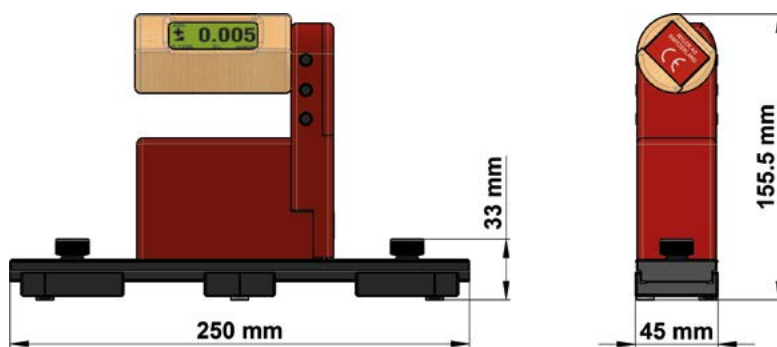
Lieferumfang

- Koffer für BlueLEVEL mit Basis 17x

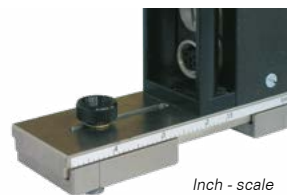
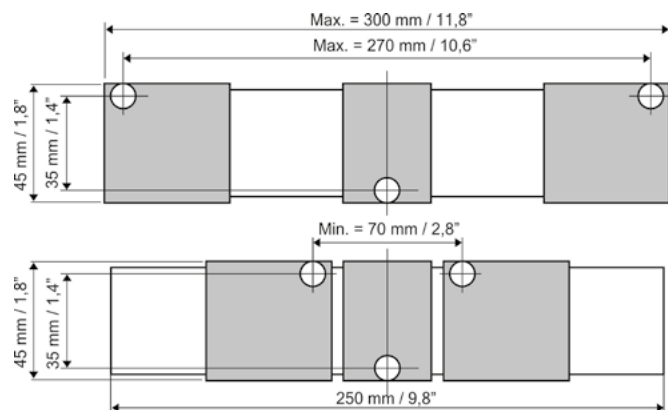
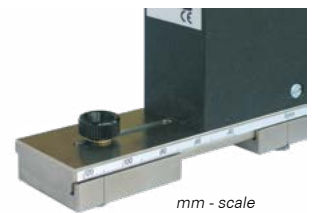
BLUELEVEL TYPE 453

BLUESYSTEM MODULAR

BLUELEVEL Typ 453



| Length L Länge L / mm | Width B Breite B / mm | Height H Höhe H / mm | Weight / Gewicht / kg |
|-----------------------------|-----------------------------|----------------------------|--------------------------|
| 250 ... 300 | 45 | 22 | 1.3 kg |

Inch - scale
Zoll - Skalamm - scale
mm - Skala

General:

- Horizontal measuring FLEX-base with three point tungsten carbide contact faces \varnothing 10 mm
- Scale in [mm] and [inch]

Allgemein:

- Horizontale FLEX-Messbasis mit 3-Punkt Hartmetallaufgaben \varnothing 10 mm
- Skalenteilung in [mm] und [Zoll]

| | | |
|------------------------|--------------------------------|---------------------------|
| Adjustable step length | 144 ... 240 mm 5,7 ... 9,4" | Verstellbare Schrittlänge |
| After conversion min. | 70 mm 2,8" | Nach Umbau min. |
| After conversion max. | 270 mm 10,6" | Nach Umbau max. |

| Base length Basislänge / mm | P/N Produktnummer |
|-----------------------------------|----------------------|
| 250 | 016S250-453-001 |

Scope of delivery

- 1 BlueLEVEL
- 2 batteries 1.5V, size C

Lieferumfang

- 1 BlueLEVEL
- 2 Batterien 1.5V, Grösse C

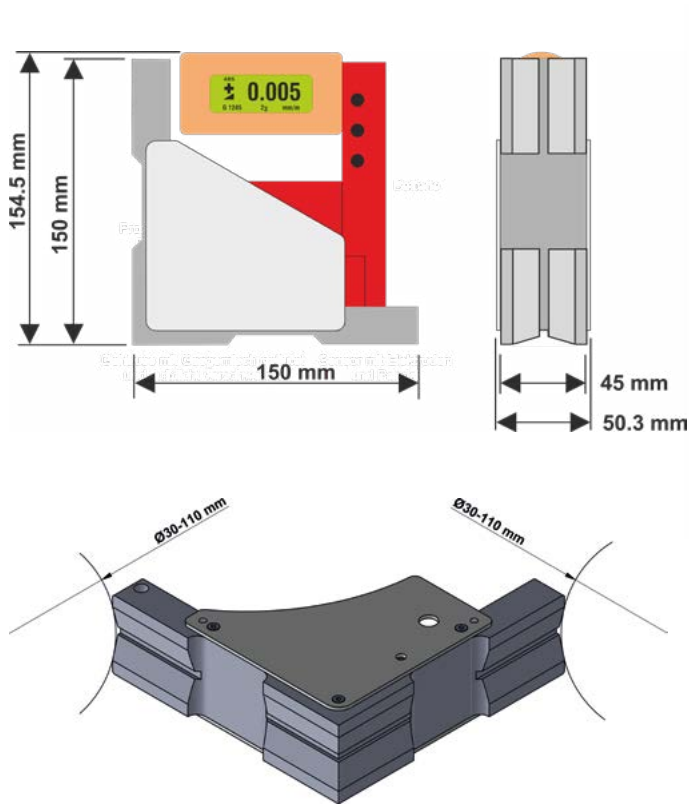
BLUELEVEL

TYPE 213 / 217 / 218 / 243 / 247 / 248

BLUESYSTEM MODULAR

BLUELEVEL

Typ 213 / 217 / 218 / 243 / 247 / 248



| Length L Länge L / mm | Width B ₁ /B ₂ Breite B ₁ /B ₂ / mm | Height H Höhe H / mm | Height H ₁ Höhe H ₁ / mm | Weight Gewicht / kg |
|-----------------------------|---|----------------------------|--|---------------------------|
| 150 | 45 ... 50.3 | 150 ... 154.5 | 20 | 1.700 |



General:

- Cast iron
- Contact faces hand scraped
- Other surfaces nickel-plated

Allgemein:

- Grauguss
- Auflageflächen handgeschabt
- Übrige Flächen vernickelt

| Horizontal base | | | Vertical base | | | P/N Produktnummer | Horizontale Basis | | | Vertikale Basis | | |
|-----------------|--------------------------------|---------------------|---------------|--------------------------------|---------------------|------------------------|-------------------|-------------------------------------|---------------------|-----------------|-------------------------------------|---------------------|
| flat | prismatic for Ø 30...110 mm | magnetic inserts | flat | prismatic for Ø 30...110 mm | magnetic inserts | 150 mm | flach | prismatisch für Ø 30...110 mm | Magnet- Einsätze | flach | prismatisch für Ø 30...110 mm | Magnet- Einsätze |
| x | | | x | | | 016S150-213-001 | x | | | x | | |
| x | | | x | | x | 016S150-217-001 | x | | | x | | x |
| x | | x | x | | x | 016S150-218-001 | x | | x | x | | x |
| | x | | | x | | 016S150-243-001 | | x | | | x | |
| | x | | | x | x | 016S150-247-001 | | x | | | x | x |
| | x | x | | x | x | 016S150-248-001 | | x | x | | x | x |

Scope of delivery

- 1 BlueLEVEL
- 2 batteries 1.5V, size C

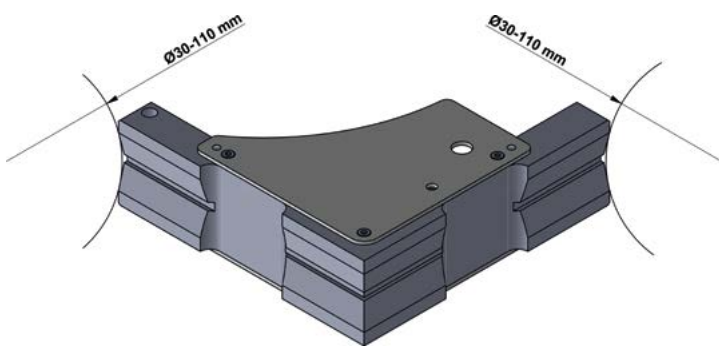
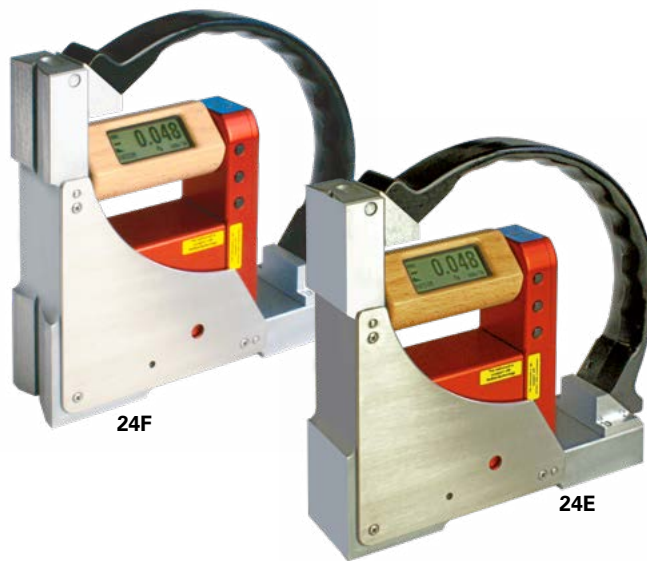
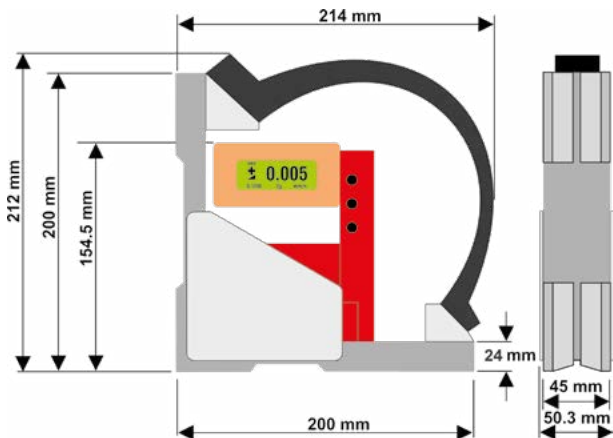
Lieferumfang

- 1 BlueLEVEL
- 2 Batterien 1.5V, Grösse C

BLUELEVEL TYPE 24E/24F/24G

BLUESYSTEM MODULAR

BLUELEVEL TYP 24E/24F/24G



Angular base 200mm with nivelSWISS handle
Winkelbasis 200mm mit nivelSWISS-Griff

| Length L Länge L / mm | Width B Breite B / mm | Height H Höhe H / mm | Weight / Gewicht / kg |
|-----------------------------|-----------------------------|----------------------------|--------------------------|
| 200 | 45 ... 50.3 | 212 | 2.750 |

General:

- Angular measuring bases
- Cast iron
- Contact faces hand scraped
- Other surfaces nickel-plated
- Special handle from nivelSWISS

Allgemein:

- Winkelmessbasen
- Grauguss
- Auflageflächen handgeschabt
- Übrige Flächen vernickelt
- Mit Spezialgriff vom nivelSWISS

| Horizontal base | | Vertical base | | P/N Produktnummer | Horizontale Basis | | Vertikale Basis | | Zusatz |
|-----------------|--------------------------------|---------------|--------------------------------|-------------------------------------|-------------------|----------------------------------|-----------------|----------------------------------|------------------------|
| flat | prismatic for Ø 30...110 mm | flat | prismatic for Ø 30...110 mm | | flach | prismatisch für Ø 30...110 mm | flach | prismatisch für Ø 30...110 mm | |
| X | | X | | 016S200-24E-001 | X | | X | | |
| | X | | X | 016S200-24F-001 | | X | | X | |
| X | | X | | Side pins 016S200-24N-001 | X | | X | | Seitliche Anschläge |

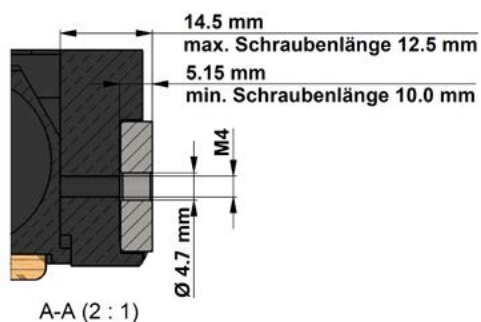
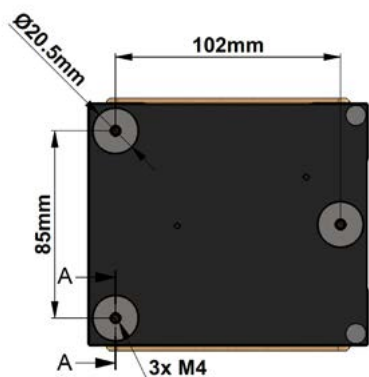
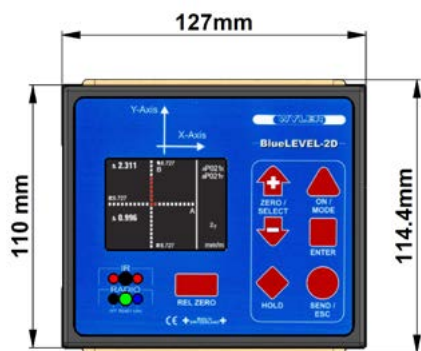
Scope of delivery

- 1 BlueLEVEL
- 2 batteries 1.5V, size C

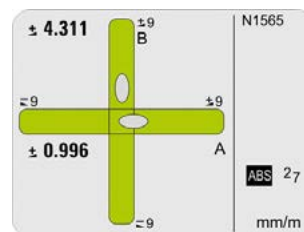
Lieferumfang

- 1 BlueLEVEL
- 2 Batterien 1.5V, Grösse C

BLUELEVEL-2D **BLUESYSTEM MODULAR** **BLUELEVEL-2D**



- | | |
|---|--|
| <p>General:</p> <ul style="list-style-type: none"> • 2D-Measuring instrument • Large graphical display • Aluminium housing coated • 3 inserts made of tungsten carbide Ø 20 mm with one M4 thread each | <p>Allgemein:</p> <ul style="list-style-type: none"> • 2D-Messinstrument • Grosse Grafikanzeige • Gehäuse aus Aluminium beschichtet • 3 Einsätze aus Hartmetall Ø 20 mm mit je 1 Gewinde M4 |
|---|--|




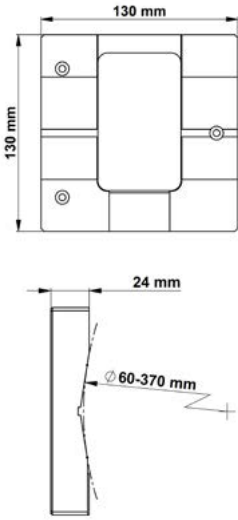
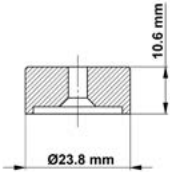

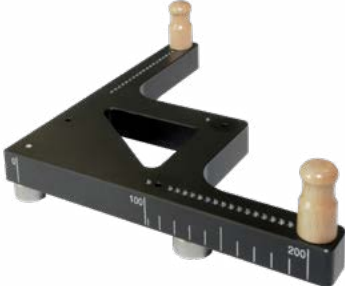
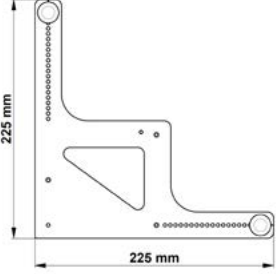

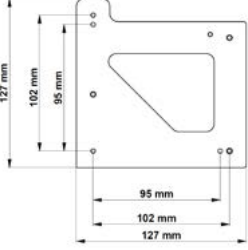
P/N
Produktnummer
016S3010-2DG01

| Scope of delivery | Lieferumfang |
|--|--|
| <ul style="list-style-type: none"> • 1 BlueLEVEL-2D • 2 batteries 1.5V, size C | <ul style="list-style-type: none"> • 1 BlueLEVEL-2D • 2 Batterien 1.5V, Grösse C |

ADAPTER FOR BLUELEVEL-2D

BLUESYSTEM MODULAR

ADAPTER FÜR BLUELEVEL-2D

| Screw-on measuring bases | P/N Produktnummer | | Aufschraubbasen |
|---|--|--|--|
| <p>Prismatic measuring base for shafts with \varnothing 60 ... 370 mm, made of cast iron, length 130 mm.</p> <p>IMPORTANT! BlueLEVEL-2D has to be permanently mounted by WYLER at the base in order to guarantee twist stability.</p> | <p>400-130-163</p>  |  | <p>Prismatische Messbasis für Wellen mit \varnothing 60 ... 370 mm, aus Grauguss, Länge 130 mm.</p> <p>ACHTUNG! BlueLEVEL-2D muss bei WYLER fix auf der Basis montiert werden, um die Twiststabilität garantieren zu können.</p> |
| <p>Set of 3 magnetic screw on supports with \varnothing 23.8 mm and height 10.6 mm</p> | <p>400-025-MHM</p>  |  | <p>Set von 3 anschaubaren Magnetauflagen mit \varnothing 23.8 mm und Höhe 10.6 mm</p> |
| <p>varioBASE-2D for step length 100 ... 200 mm Set of 3 screw on supports with \varnothing 23.8 mm and height 10.6 mm</p> | <p>400-225-225-2D1</p>  |  | <p>varioBASE-2D für Schrittlänge 100 ... 200 mm Set von 3 anschaubaren Auflagen mit \varnothing 23.8 mm und Höhe 10.6 mm</p> |
| <p>fixBASE100-2D for step length 100 mm Set of 3 screw on supports with \varnothing 23.8 mm and height 10.6 mm</p> | <p>400-127-127-2D1</p>  |  | <p>fixBASE100-2D für Schrittlänge 100 mm Set von 3 anschaubaren Auflagen mit \varnothing 23.8 mm und Höhe 10.6 mm</p> |

SPECIFICATIONS

BLUESYSTEM MODULAR

SPEZIFIKATIONEN



wylerLEVEL

wylerLEVEL Frame
160 mmwylerLEVEL Frame
200 mm

| TECHNICAL SPECIFICATIONS | wylerLEVEL | wylerLEVEL Frame | TECHNISCHE SPEZIFIKATIONEN |
|---|---|------------------|---|
| Sensitivity | 0.001 mm/m 0.2 arcsec | | Zifferschrittwert (Empfindlichkeit) |
| Measuring range | ± 20 mm/m | | Messbereich |
| Limits of error (DIN 2276/2) | $M_W \leq 0.5 M_E$ max. 1 % M_W min. 1 digit | | Fehlergrenze (DIN 2276/2) |
| M_E = full-scale M_W = measured value | $M_W > 0.5 M_E$ max. 0.01 (2 M_W - 0.5 M_E) | | M_E = Messbereichsendwert M_W = Messwert |
| Temperature error (DIN 2276/2) / °C (Ø10 °C) | $M_W \leq 0.1 M_E$ max. 0.002 mm/m | | Temperaturkoeffizient (DIN 2276/2) / °C (Ø10 °C) |
| M_E = full-scale | $M_W > 0.1 M_E$ max. 0.020 mm/m | | M_E = Messbereichsendwert |
| Response time (DIN 2276/2) | < 5 sec | | Einstelldauer (DIN 2276/2) |

| TECHNICAL SPECIFICATIONS | wylerLEVEL | wylerLEVEL Frame 160 mm | wylerLEVEL Frame 200 mm | TECHNISCHE SPEZIFIKATIONEN |
|--|---|--|----------------------------|---|
| Digital output | RS232 / RS485, asynchronous, 7 DataBits, 2 StopBits, no parity, 9600 bps | | | Digitalausgang |
| Batteries size C Optional (rechargeable) | 2 x 1.5 V Alkaline 2 x 1.2 V NiMH | | | Batterien Grösse C Alternative (wiederaufladbar) |
| External power supply | + 5 V DC (USB) | | | Externe Stromversorgung |
| Operating temperature | 0 ... + 40 °C | | | Betriebstemperatur |
| Storage temperature | - 30 ... + 70 °C | | | Lagertemperatur |
| Net weight, including batteries | 3450 g | 3450 g | 5450 g | Netto-Gewicht, inklusive Batterien |
| Dimensions - Length - Width - Height | 150 mm 40 mm 150 mm | 160 mm 40 mm 160 mm | 200 mm 40 mm 200 mm | Abmessungen - Länge - Breite - Höhe |
| Radio transmission Frequency | Bluetooth ISM Band / 2,4000 ... 2,4835 GHz | | | Funkübertragung Frequenz |
| Range of Bluetooth communication within BlueLEVEL Product line with free line of sight | ca. 35 m | | | Reichweite der Bluetooth Kommunikation innerhalb der BlueSYSTEM Produktlinie bei direkter Sichtverbindung |
| CE conformity | Meets emission and immunity requirements | Erfüllt die Standards für Emission und Störfestigkeit | | CE-Konformität |

SPECIFICATIONS

BLUESYSTEM MODULAR

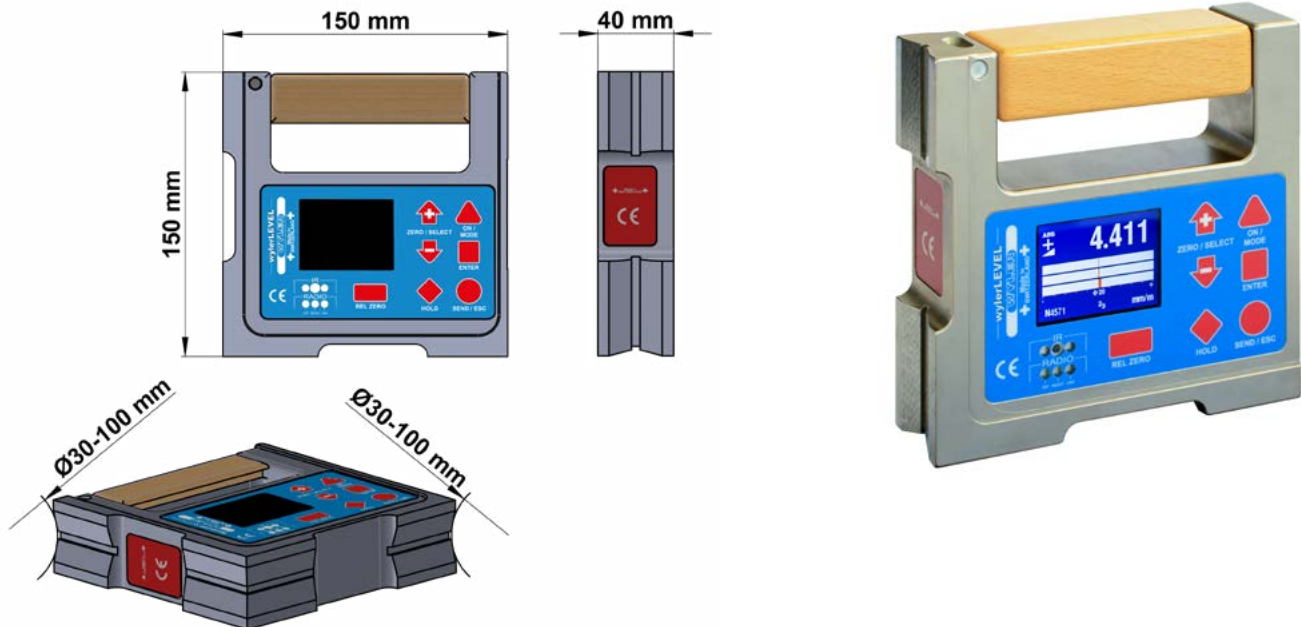
SPEZIFIKATIONEN

| Units | Decimals Dezimal- stellen | Formats of value in display Darstellungsformate des Wertes in der Anzeige | | Unit in display Einheit in der Anzeige | Einheiten |
|---------------------------------------|---------------------------------|---|------------------|--|--|
| | | wylerLEVEL | wylerLEVEL Frame | | |
| mm per m | 2 | xxxx.xx | | mm/m | mm pro m |
| mm per m | 3 | xxx.xxx | | mm/m | mm pro m |
| mm per m | 4 | | | mm/m | mm pro m |
| Inch per 10 inch | 4 | xx.xxxx | | "/10" | Zoll pro 10 Zoll |
| Inch per 10 inch | 4 | xx.xxxx | | "/12" | Zoll pro 10 Zoll |
| milli radian | 2 | xxxx.xx | | mRad | Milli-Radiant |
| milli radian | 3 | xxx.xxx | | mRad | Milli-Radiant |
| mm per relative base | 2 | xxxx.xx | | mm/REL | mm pro relative Basis |
| mm per relative base | 3 | xxx.xxx | | mm/REL | mm pro relative Basis |
| mm per relative base | 4 | | | mm/REL | mm pro relative Basis |
| Inch per relative base | 4 | xx.xxxx | | "/REL | Zoll pro relative Basis |
| artillery per mill | 2 | xxxx.xx | | A%0 | Artillerie Promille |
| per mill | 2 | xxxx.xx | | %0 | Promille |
| per cent | 3 | xxx.xxx | | % | Prozent |
| degree | 1 | | | DEG | Grad |
| degree | 2 | | | DEG | Grad |
| degree | 3 | xxx.xxx° | | DEG | Grad |
| degree | 4 | xx.xxxx° | | DEG | Grad |
| degree + arc minutes | | xx°xx' | | DEG | Grad + Bogenminuten |
| degree + arc minutes + arc seconds | | xx°xx'xx" | | DEG | Grad + Bogenminuten + Bogensekunden |
| arc minutes + arc seconds | | xxxx'xx" | | DEG | Bogenminuten + Bogensekunden |
| arc seconds | | xxxxx" | | DEG | Bogensekunden |
| arc seconds | 1 | xxxxx.x" | | DEG | Bogensekunden |
| centesimal degree | 3 | xxx.xxx | | GON | Neugrad |
| centesimal degree | 4 | | | GON | Neugrad |
| slope | | 1/xxxx | | SLOPE | Gefälle |

WYLERLEVEL

BLUESYSTEM MODULAR

WYLERLEVEL

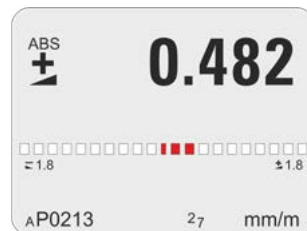


General:

- Large graphical display
- Angular measuring base
- Cast iron
- Horizontal and left vertical prismatic contact faces hand scraped for shafts with $\varnothing 30 \dots 100$ mm
- Right vertical flat contact faces grinded
- Other surfaces nickel-plated

Allgemein:

- Grosse Grafikanzeige
- Winkelmessbasis
- Grauguss
- Horizontale und linke vertikale prismatische Auflageflächen handgeschabt für Wellen mit $\varnothing 30 \dots 100$ mm
- Rechte vertikale flache Auflageflächen geschliffen
- Übrige Flächen vernickelt



| Magnetic inserts in horizontal base Magneteinsätze in Horizontalbasis | Magnetic inserts in left vertical base Magneteinsätze in linker Vertikalbasis | P/N Produktnummer |
|--|--|----------------------|
| X | X | 001-150-2201-52AA |
| | | 001-150-4401-52AA |

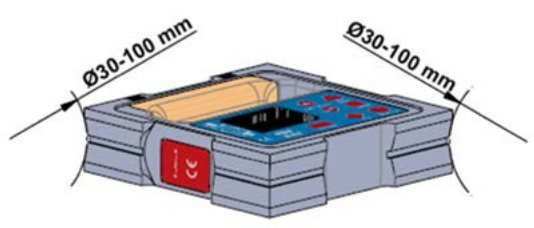
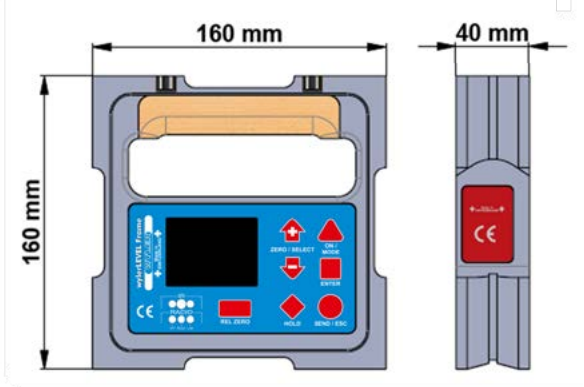
Scope of delivery

- 1 wylerLEVEL
- 2 batteries 1.5V, size C

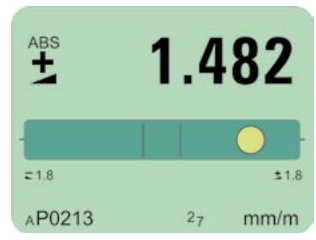
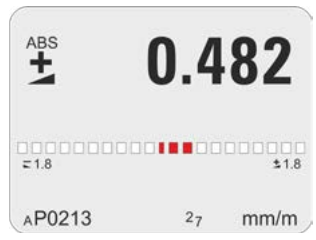
Lieferumfang

- 1 wylerLEVEL
- 2 Batterien 1.5V, Grösse C

WYLERLEVEL FRAME **BLUESYSTEM MODULAR** WYLERLEVEL FRAME



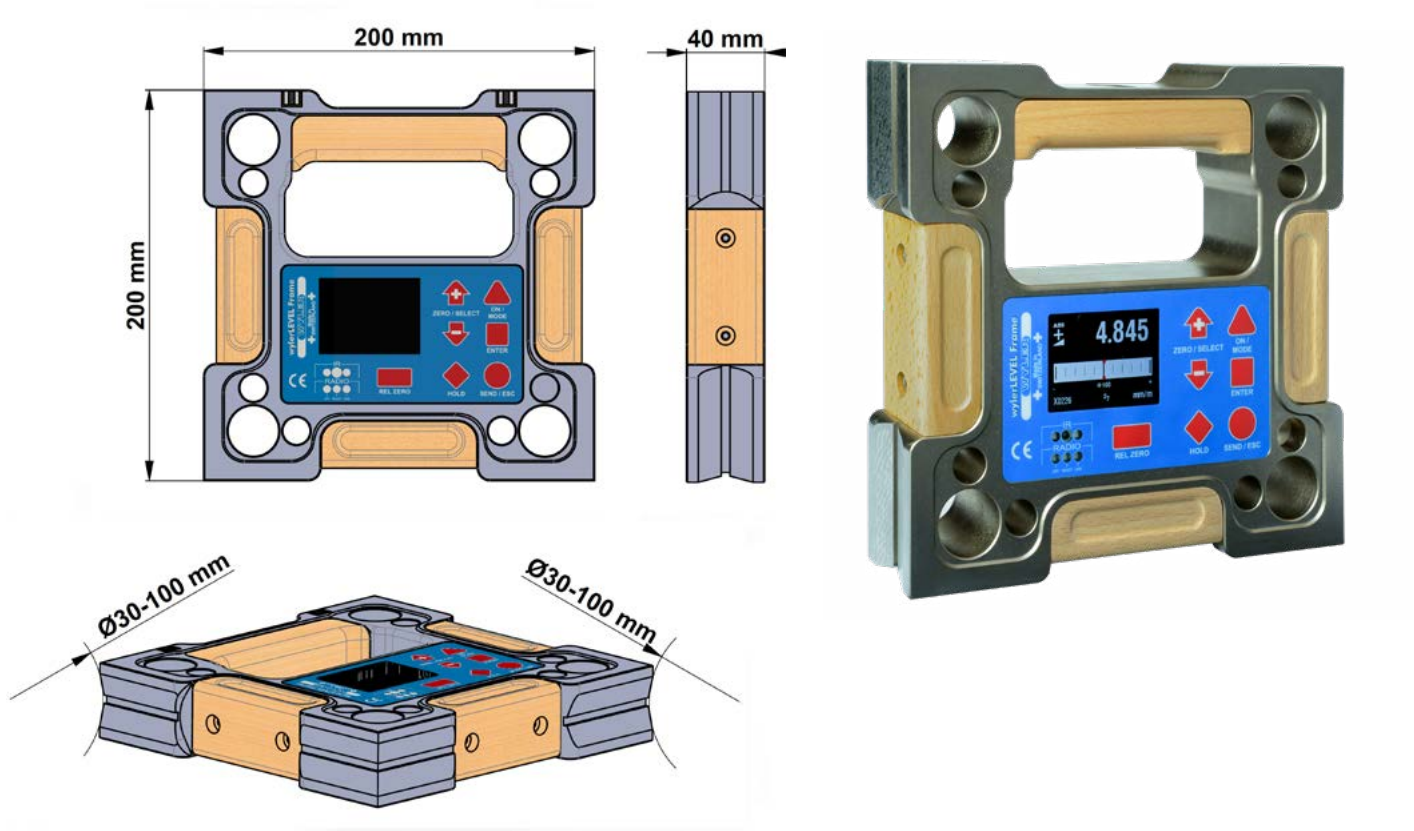
- | | |
|--|---|
| <p>General:</p> <ul style="list-style-type: none"> • Large graphical display • Frame, 160 mm base length • Cast iron • Bottom horizontal and left vertical prismatic contact faces hand scraped for shafts with Ø 30 ... 100 mm • Top horizontal and right vertical flat contact faces grinded • Other surfaces nickel-plated | <p>Allgemein:</p> <ul style="list-style-type: none"> • Grosse Grafikanzeige • Rahmen, 160 mm Basenlänge • Grauguss • Unten horizontal und links vertikal prismatische Auflageflächen handgeschabt für Wellen mit Ø 30 ... 100 mm • Oben horizontal und rechts vertikal flache Auflageflächen geschliffen • Übrige Flächen vernickelt |
|--|---|



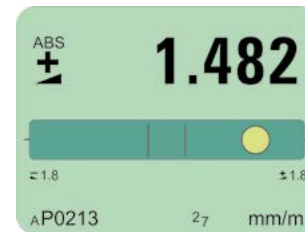
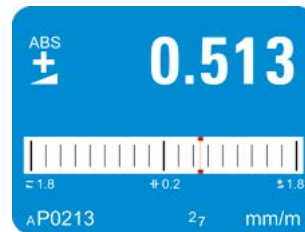
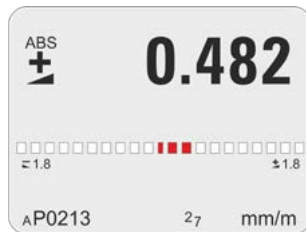
| Magnetic inserts in top horizontal base Magneteinsätze in oberer Horizontalbasis | Magnetic inserts in left vertical base Magneteinsätze in linker Vertikalbasis | P/N Produktnummer |
|---|--|--------------------------|
| | | 001-160-2211-52AA |
| X | X | 001-160-2431-52AA |

| Scope of delivery | Lieferumfang |
|--|--|
| <ul style="list-style-type: none"> • 1 wylerLEVEL Frame, 160 mm • 2 batteries 1.5V, size C | <ul style="list-style-type: none"> • 1 wylerLEVEL Frame, 160 mm • 2 Batterien 1.5V, Grösse C |

WYLERLEVEL FRAME **BLUESYSTEM MODULAR** WYLERLEVEL FRAME



- | | |
|--|---|
| <p>General:</p> <ul style="list-style-type: none"> • Large graphical display • Frame, 200 mm base length • Cast iron • Bottom horizontal and left vertical prismatic contact faces hand scraped for shafts with Ø 30 ... 100 mm • Top horizontal and right vertical flat contact faces grinded • Other surfaces nickel-plated | <p>Allgemein:</p> <ul style="list-style-type: none"> • Grosse Grafikanzeige • Rahmen, 200 mm Basenlänge • Grauguss • Unten horizontal und links vertikal prismatische Auflageflächen handgeschabt für Wellen mit Ø 30 ... 100 mm • Oben horizontal und rechts vertikal flache Auflageflächen geschliffen • Übrige Flächen vernickelt |
|--|---|



| Magnetic inserts in top horizontal base Magneteinsätze in oberer Horizontalbasis | Magnetic inserts in left vertical base Magneteinsätze in linker Vertikalbasis | P/N Produktnummer |
|---|--|----------------------|
| | | 001-200-2211-52AA |
| X | X | 001-200-2431-52AA |

| Scope of delivery | Lieferumfang |
|--|--|
| <ul style="list-style-type: none"> • 1 wylerLEVEL Frame, 200 mm • 2 batteries 1.5V, size C | <ul style="list-style-type: none"> • 1 wylerLEVEL Frame, 200 mm • 2 Batterien 1.5V, Grösse C |

OPTIONS **BLUESYSTEM MODULAR** **OPTIONEN**

| Upgrade for radio transmission (factory mounting necessary) | Upgrade for ... Nachrüstung für ... | P/N Produktnummer | Nachrüstung für Funkübertragung (Werksmontage erforderlich) |
|--|--|----------------------|--|
| | ... BlueLEVEL | 016-999-F-BL | |
| | ... BlueMETER | 016-999-F-BM | |
| | ... BlueMETER SIGMA | 016-999-F-BMS | |



Clean room versions, available ONLY in combination with NEW order **P/N Produktnummer** **Reinraumversionen, verfügbar NUR im Zusammenhang mit NEU-Bestellung**

In so called „clean room“- applications there are restrictions to use wood. We are therefore offering the BlueLEVEL, BlueLEVEL-2D, wylerLEVEL and the BlueMETER SIGMA with aluminum handle instead of a wooden handle. These options are only available in combination with NEW orders. Please add according order number to your choice of instrument.

Holz darf in „Reinraum“ - Anwendungen nicht verwendet werden. Die BlueLEVEL, BlueLEVEL-2D, wylerLEVEL und BlueMETER SIGMA können deshalb optional mit einem Aluminium-Griff bestellt werden. Diese Optionen stehen nur in Kombination mit einer NEU-Bestellung zur Verfügung. Bitte fügen Sie die entsprechende Bestellnummer Ihrem Gerätewunsch bei.

Aluminium handle
in combination with new order for BlueLEVEL



016-BL-ALU

Aluminium-Griff
In Kombination mit Neubestellung für BlueLEVEL

Aluminium handle
In combination with new order for BlueLEVEL-2D



016-2D-ALU

Aluminium-Griff
In Kombination mit Neubestellung für BlueLEVEL-2D

Aluminium handle
In combination with new order for wylerLEVEL



018-BC-ALU

Aluminium-Griff
In Kombination mit Neubestellung für wylerLEVEL

Aluminium handle
In combination with new order for BlueMETER SIGMA



016-BM-ALU

Aluminium-Griff
In Kombination mit Neubestellung für BlueMETER SIGMA

ACCESSORIES

BLUESYSTEM MODULAR

ZUBEHÖR

BATTERIES

BATTERIEN

| Batteries | Details | P/N Produktnummer | Batterien |
|---------------------------|---------|----------------------|-------------------------------|
| Battery (single) - size C | 1.5 V | 604-065-C | Batterie (einzeln) - Grösse C |

UNIVERSAL CABLE RS485

UNIVERSALKABEL RS485

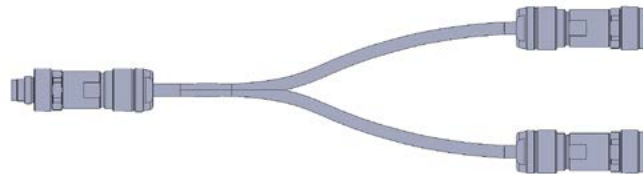


| Universal cable RS485 | Details | P/N Produktnummer | Universalkabel RS485 |
|-----------------------|---------|----------------------|----------------------|
| Male / male | 2.5 m | 029-025-878-001 | Stecker / Stecker |
| Male / male | 5 m | 029-050-878-001 | Stecker / Stecker |
| Male / male | 10 m | 029-100-878-001 | Stecker / Stecker |



| Universal angular cable RS485 – one side, cable outgoing downwards | Details | P/N Produktnummer | Universal-Winkelkabel RS485 – eine Seite, Kabel nach unten wegführend |
|---|---------|----------------------|--|
| Male / male | 2.5 m | 029-025-878W001 | Stecker / Stecker |
| Male / male | 5 m | 029-050-878W001 | Stecker / Stecker |
| Male / male | 10 m | 029-100-878W001 | Stecker / Stecker |

| Universal angular cable RS485 – one side, cable outgoing upwards | Details | P/N Produktnummer | Universalkabel RS 485 - eine Seite, Kabel nach oben wegführend |
|---|---------|----------------------|---|
| Male / male | 2.5 m | 029-025-878W003 | Stecker / Stecker |
| Male / male | 5 m | 029-050-878W003 | Stecker / Stecker |
| Male / male | 10 m | 029-100-878W003 | Stecker / Stecker |



| Universal Y-extension RS485 | Details | P/N Produktnummer | Universal Y-Verlängerung RS485 |
|-----------------------------|---------|----------------------|--------------------------------|
| Male / 2 female | 0.4 m | 029-004-878-Y | Stecker / 2 Buchsen |

ACCESSORIES

BLUESYSTEM MODULAR

ZUBEHÖR



| P/N Produktnummer | | |
|----------------------|-------------|--------------|
| wylertRIGGER | 015-005-007 | wylertRIGGER |

REMOTE DISPLAYS

BLUESYSTEM MODULAR

FERNANZEIGEN



| Remote Displays | P/N Produktnummer | Fernanzeigen |
|--|----------------------|---|
| BlueMETER SIGMA with radio transmission | 016F004-002 | BlueMETER SIGMA mit Funkübertragung |
| Outdoor android based remote display with preinstalled APP wylertUNIVERSAL | 016-006-001 | Outdoor Android basierte Fernanzeige mit vorinstallierten APP wylertUNIVERSAL |

APP WYLERUNIVERSAL

BLUESYSTEM MODULAR

APP WYLERUNIVERSAL



The app reads the data from **ONE or TWO** WYLER measuring instruments, when you need to read your values from a distance or without a direct line of sight to the display, e.g.

- alignment of bigger machine parts, machines and objects
- Analyse of pitch or roll movements



Die App liest die Daten von **EINEM oder ZWEI** WYLER-Messgeräten, wenn Sie einen Wert aus der Distanz ablesen müssen, und Sie keine direkte Ablesemöglichkeit vom Display haben, wie z.B.

- beim Ausrichten von grösseren Maschinenteilen, Maschinen und Objekten
- Analyse von Nick- oder Rollbewegungen

Link: <https://play.google.com/store/apps/details?id=com.wyler.wyleruniversal.wyler.wyler&gl=CH>



Display types

- Numbers



Darstellungsarten

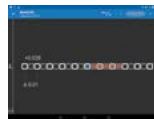
- Zahlen

- Vials



- Libellen

- LED line



- LED-Linie

Units

mm/m
 ° ' "
 "
 "/10"
 "/12"

Einheiten



APP WYLERUNIVERSAL

BLUESYSTEM MODULAR

APP WYLERUNIVERSAL



Functions

- Display
 - Measuring value 1,
 - Measuring values 1 and 2,
 - Difference value ($M_v 1 - M_v 2$)
- Measuring values in RAD as list
 - Create by adding
 - Export as CSV

| | A | B | C |
|----|------------------|-----------|----------|
| 1 | Date Time | V3291 | S2323 |
| 2 | 11.09.2020 14:22 | -0,000443 | 0,001392 |
| 3 | 11.09.2020 14:22 | -0,000437 | 0,001389 |
| 4 | 11.09.2020 14:22 | -0,000435 | 0,001390 |
| 5 | 11.09.2020 14:22 | -0,000436 | 0,001392 |
| 6 | 11.09.2020 14:22 | -0,000432 | 0,001392 |
| 7 | 11.09.2020 14:22 | -0,000445 | 0,001390 |
| 8 | 11.09.2020 14:22 | -0,000432 | 0,001385 |
| 9 | 11.09.2020 14:22 | -0,000431 | 0,001386 |
| 10 | 11.09.2020 14:22 | -0,000423 | 0,001390 |
| 11 | 11.09.2020 14:22 | -0,000426 | 0,001394 |
| 12 | | | |
| 13 | | | |

Funktionen

- Darstellungen
 - Messwert 1,
 - Messwerte 1 und 2,
 - Differenz ($M_w 1 - M_w 2$)
- Messwerte in RAD als Liste
 - erstellen durch zufügen
 - Export als CSV

Requirements

- Android device with Android 9.0 or above
- WYLER measuring instrument with integrated Bluetooth



Anforderungen

- Android-Geräte mit Android 9.0 oder höher
- WYLER-Messgerät mit integriertem Bluetooth

Scope of delivery

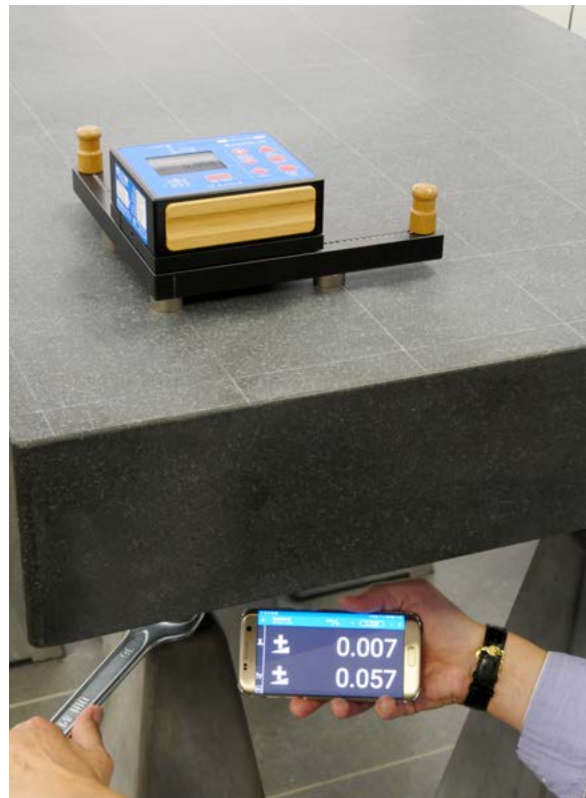
Outdoor android based remote display with preinstalled APP wylerUNIVERSAL

P/N
Produktnummer


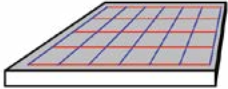
016-006-001



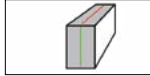
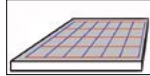
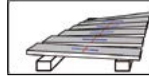


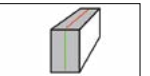

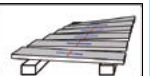
Lieferumfang





















Outdoor Android basierte Fernanzeige mit vorinstallierter APP wylerUNIVERSAL



SOFTWARE PACKAGES **BLUESYSTEM MODULAR** **SOFTWARE-PAKETE**

| wyler ELEMENTS <small>WYLER AG, Switzerland 029-ELEMENTS</small> | Licence Lizenz | P/N Produktnummer | Module Modul | |
|--|-------------------|----------------------|--|---|
| | | | 1 | 4 |
| wylerELEMENTS L1 | 1. | 029-ELEMENTS-L1 |  |  |
| wylerELEMENTS L2 | 2. | 029-ELEMENTS-L2 | | |
| wylerELEMENTS Up (LEVELSOFT PRO LIGHT) | Upgrade | 029-ELEMENTS-UP | | |

| wyler PROFESSIONAL <small>WYLER AG, Switzerland 029-PROF</small> | Licence Lizenz | P/N Produktnummer | Module Modul | | | | |
|--|-------------------|----------------------|---|--|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 |
| wylerPROFESSIONAL L1 | 1. | 029-PROF-L1 |  |  |  |  |  |
| wylerPROFESSIONAL L2 | 2. | 029-PROF-L2 | | | | | |
| wylerPROFESSIONAL Up (LEVELSOFT PRO) | Upgrade | 029-PROF-UP | | | | | |
| wylerPROFESSIONAL Up-F (wylerELEMENTS) | Upgrade | 029-PROF-UP-F |  |  |  |  |  |

| wylerSPEC <small>WYLER AG, Switzerland 029-SPEC</small> | Licence Lizenz | P/N Produktnummer | Module Modul | | | | | | | | | |
|--|-------------------|----------------------|---|---|---|--|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| wylerSPEC L1 | 1. | 029-SPEC-L1 |  |  |  |  |  |  |  |  |  |  |
| wylerSPEC L2 | 2. | 029-SPEC-L2 | | | | | | | | | | |
| wylerSPEC-Up (any MT-SOFT) | Upgrade | 029-SPEC-UP | | | | | | | | | | |
| wylerSPEC Up-F (wylerPROFESSIONAL) | Upgrade | 029-SPEC-UP-F |  |  |  |  |  |  |  |  |  |  |

System requirements: **System-Anforderungen:**
 Microsoft Windows WIN 10, 8 GB RAM, 4 Core, 1x USB 2.0
 Optimized for resolution 1920x1080

| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|--|
| Software per download from our website www.wylerag.com Note: Software requires licence management wylerCONNECT | see above | siehe oben Software zum Download von unserer Webseite www.wylerag.com Hinweis: Software benötigt Lizenzmanagement wylerCONNECT |

| Scope of delivery – Interface incl. license management for ordered software: | P/N Produktnummer | Lieferumfang – Interface inkl. Lizenzverwaltung für bestellte Software: |
|---|----------------------|---|
| Set with ... wylerCONNECT, • wylerTRIGGER, • USB-C cable 1.4m • Quick reference | 029-0001-001 | Set mit ... wylerCONNECT, • wylerTRIGGER, • USB-C Kabel 1.4m • Kurzanleitung |
| Set in storage case with ... • wylerCONNECT, • wylerTRIGGER, • USB-C cable 1.4m • Quick reference | 029-0001-002 | Set im Aufbewahrungskoffer mit ... • wylerCONNECT, • wylerTRIGGER, • USB-C Kabel 1.4m • Kurzanleitung |

SET CASES

BLUESYSTEM MODULAR

SET-KOFFER

Available cases:

There are 4 cases of the sizes XL, L, M and S selectable.

Verfügbare Koffer:

Es stehen 4 Koffer der Größen XL, L, M und S zur Auswahl.

>> XL <<

585 x 472 x 146 mm



>> XL <<

585 x 472 x 146 mm

>> L <<

390 x 310 x 147 (51/96) mm



>> L <<

390 x 310 x 147 (51/96) mm

>> M <<

300 x 275 x 110 (40/70) mm



>> M <<

300 x 275 x 110 (40/70) mm

>> S <<



















255 x 210 x 60 (24/36) mm



>> S <<

255 x 210 x 60 (24/36) mm













SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**

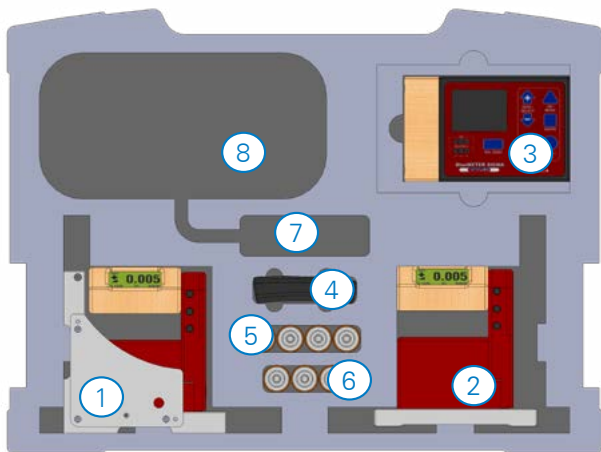
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder |
|-----------------|---|--|--|--|--|--|
| ① |  110 mm |  150 mm |  200 mm |  150 mm |  150 mm |  160 mm |
| ② |  110 mm |  150 mm |  200 mm | | | |
| ③ |  6x batteries, size C | | | | | |
| ④ |  | | | | | |
| ⑤ |  | | | | | |
| ⑥ |  | | | | | |
| ⑦ |  | | | | | |
| ⑧ |  | | | | | |
| ⑨ |  200 mm | | | | | |
| ⑩ |  200 mm | | | | | |
| ⑪ |  150 mm | | | | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case XL with Inlay for set with 2 BlueLEVEL, Version 1 | 422-022B0006 | Koffer XL mit Einlage für ein Set mit 2 BlueLEVEL, Version 1 |













SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**

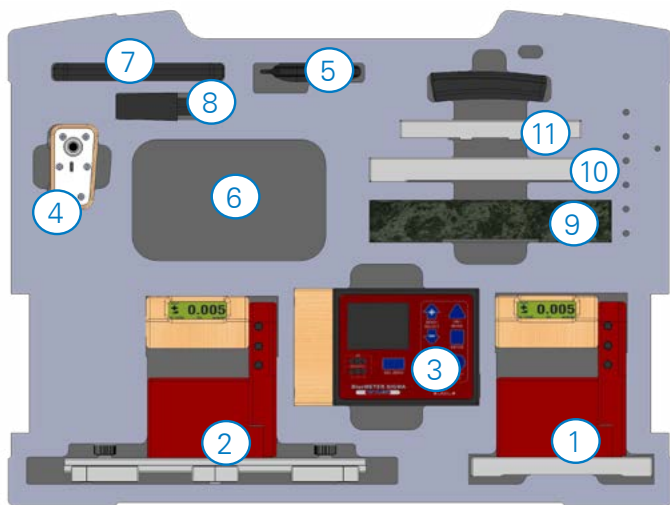
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder | ... or ... oder |
|-----------------|--|--|--|--|
| ① |  110 mm |  150 mm |  200 mm |  150 mm |
| ② |  110 mm |  150 mm |  200 mm |  150 mm |
| ③ |  |  | | |
| ④ |  | | | |
| ⑤ | 4x batteries, size C | | | |
| ⑥ | 3x batteries, size C | | | |
| ⑦ | 24V power supply | | | |
| ⑧ |  | | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case XL with Inlay for set with 2 BlueLEVEL, Version 2 | 422-022B0003 | Koffer XL mit Einlage für ein Set mit 2 BlueLEVELs Version 2 |

SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**

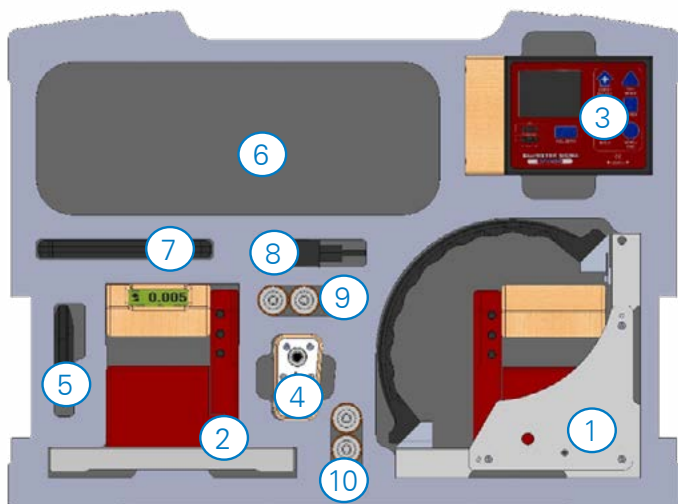
| Location Ort | Space for ... Platz für ... | ... or ... oder |
|-----------------|--|--|
| ① |  110 mm |  150 mm |
| ② |  | |
| ③ |  | |
| ④ |  | |
| ⑤ |  | |
| ⑥ |  | |
| ⑦ |  | |
| ⑧ |  | |
| ⑨ |  200 mm | |
| ⑩ |  200 mm | |
| ⑪ |  150 mm | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case XL with Inlay for set with 2 BlueLEVEL, Version 3 | 422-022B0009 | Koffer XL mit Einlage für ein Set mit 2 BlueLEVEL, Version 3 |

SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**

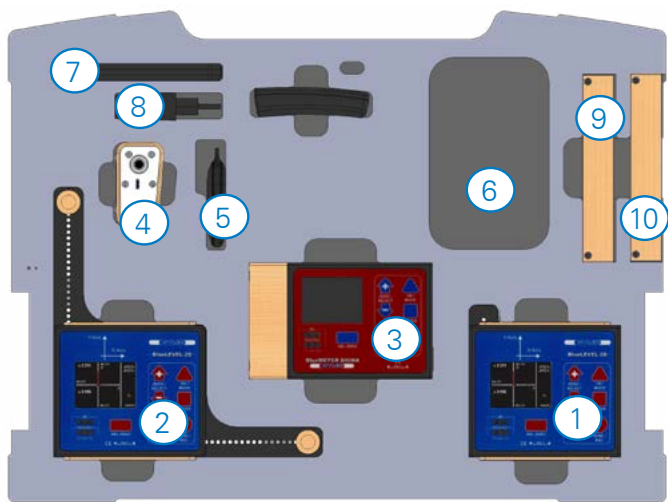
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder |
|-----------------|--------------------------------|--------------------|--------------------|
| ① | | | |
| ② | 110 mm | 150 mm | 200 mm |
| ③ | | | |
| ④ | | | |
| ⑤ | | | |
| ⑥ | | | |
| ⑦ | | | |
| ⑧ | | | |
| ⑨ | 3x batteries, size C | | |
| ⑩ | 3x batteries, size C | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case XL with Inlay for set with 2 BlueLEVEL, Version 4 | 422-022B0011 | Koffer XL mit Einlage für ein Set mit 2 BlueLEVEL, Version 4 |

SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**

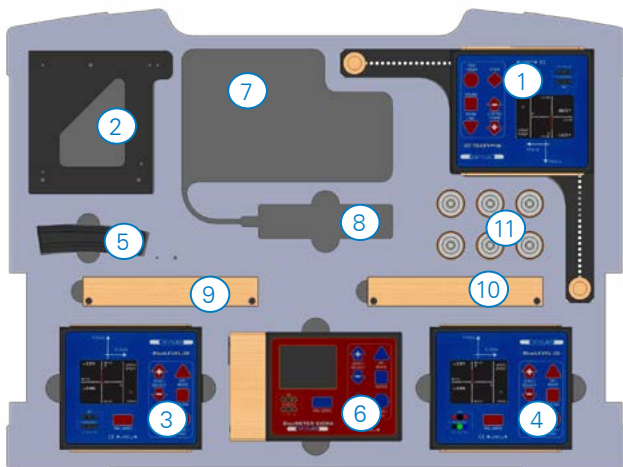
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder |
|-----------------|--------------------------------|--------------------|--------------------|
| ① | | | |
| ② | | | |
| ③ | | | |
| ④ | | | |
| ⑤ | | | |
| ⑥ | | | |
| ⑦ | | | |
| ⑧ | | | |
| ⑨ | Box with screws | | |
| ⑩ | Box with screws | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|--|
| Case XL with Inlay for set with 2 BlueLEVEL-2D, Version 1 | 422-022B0008 | Koffer XL mit Einlage für ein Set mit BlueLEVEL-2D, Version 1 |

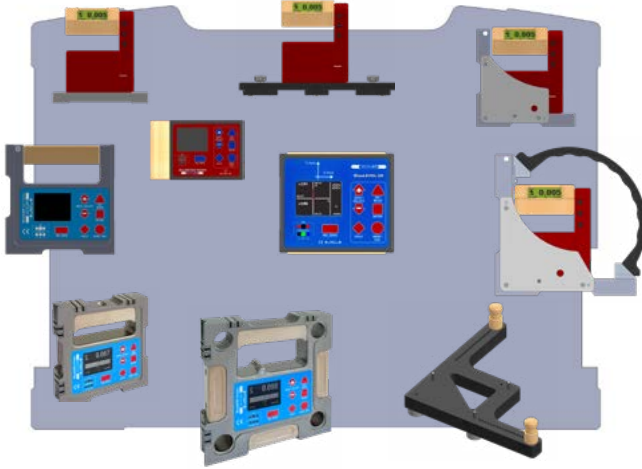
SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**

| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder |
|-----------------|--------------------------------|--------------------|--------------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | 24V power supply | | |
| 9 | Box with screws | | |
| 10 | Box with screws | | |
| 11 | 6x batteries, size C | | |

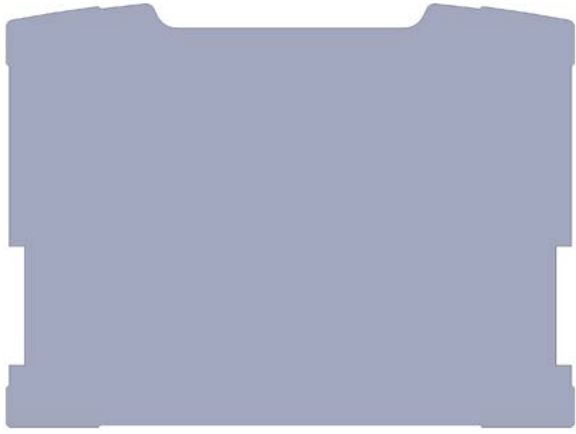


| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|--|
| Case XL with Inlay for set with 2 BlueLEVEL-2D, Version 2 | 422-022B0004 | Koffer XL mit Einlage für ein Set mit 2 BlueLEVEL-2D, Version 2 |

SET CASES - XL **BLUESYSTEM MODULAR** **SET-KOFFER - XL**



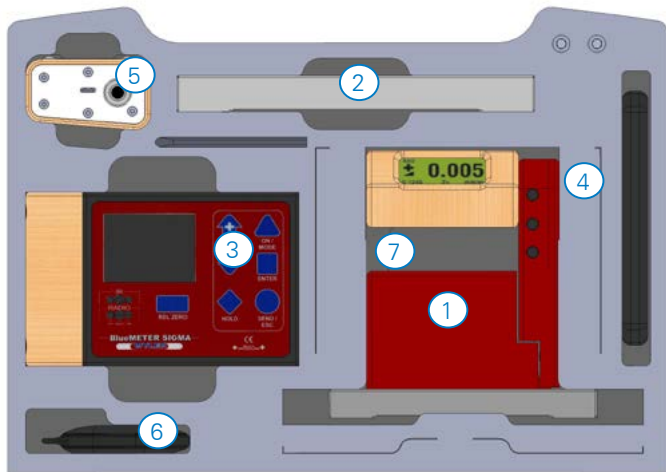
| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|--|
| Case XL with customized inlay. Product number valid for price. With delivery customized product number stated | 422-022B1000 | Koffer XL mit Einlage nach Kundenwunsch. Produktnummer gültig für Preis. Mit Lieferung wird kundenbezogene Produktnummer vergeben. |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case XL with raw inlay, to be cutted by endcustomer | 422-022B0010 | Koffer XL mit Roheinlage, welche durch Endkunden zugeschnitten wird |

SET CASES - L **BLUESYSTEM MODULAR** **SET-KOFFER - L**

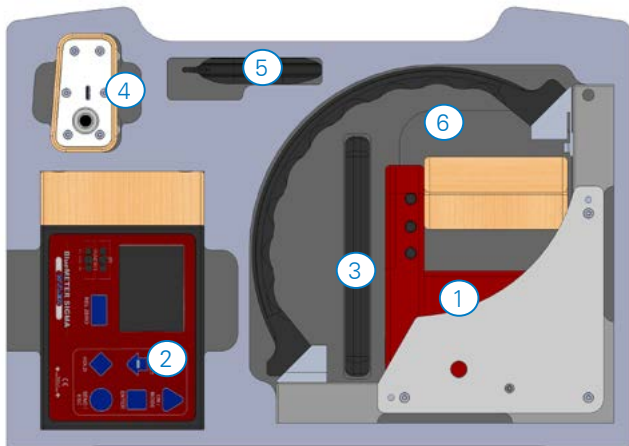
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder |
|-----------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1 | 110 mm | 150 mm | 150 mm 200 mm | 200 mm | 150 mm | 150 mm | 160 mm |
| 2 | 200 mm | | | | | | |
| 3 | 4x batteries, size C | | | | | | |
| 4 | 0.095 | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|--|
| Case L with Inlay for 1 BlueLEVEL / wylerLEVEL Set | 422-023B0003 | Koffer L mit Einlage für ein Set mit 1 BlueLEVEL / wylerLEVEL |

SET CASES - L **BLUESYSTEM MODULAR** **SET-KOFFER - L**

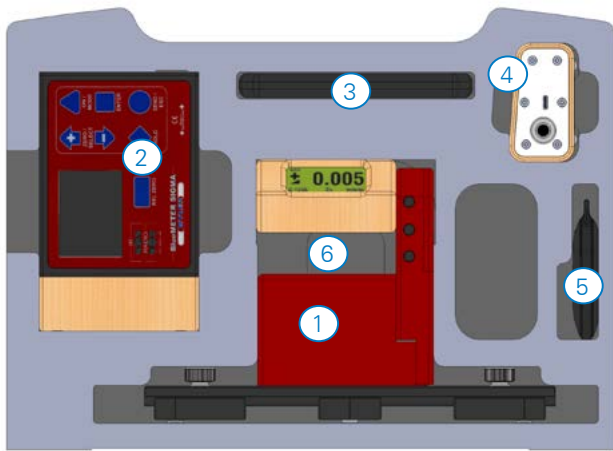
| Location Ort | Space for ... Platz für ... |
|-----------------|--|
| ① |  |
| ② |   4x batteries, size C |
| ③ |  |
| ④ |  |
| ⑤ |  |
| ⑥ |  |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|--|
| Case L with Inlay for 1 BlueLEVEL with large handle set | 422-023B0004 | Koffer L mit Einlage für ein Set mit 1 BlueLEVEL mit Bügelgriff |

SET CASES - L **BLUESYSTEM MODULAR** **SET-KOFFER - L**

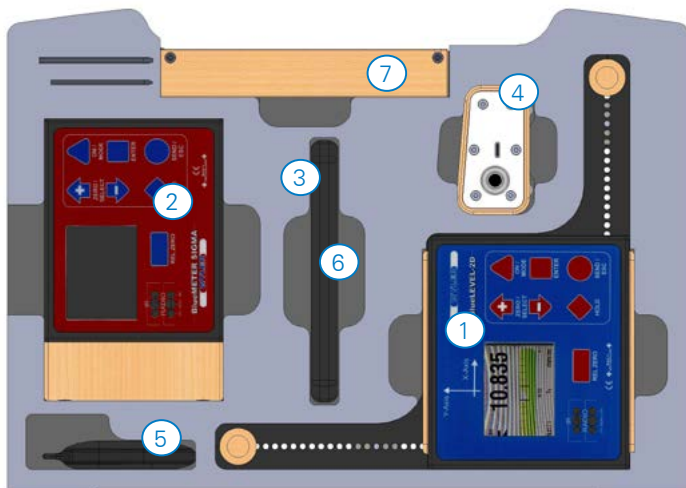
| Location Ort | Space for ... Platz für ... |
|-----------------|--------------------------------|
| ① | |
| ② | 4x batteries, size C |
| ③ | |
| ④ | |
| ⑤ | |
| ⑥ | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case L with Inlay for 1 BlueLEVEL with flex base set | 422-023B0005 | Koffer L mit Einlage für ein Set mit 1 BlueLEVEL Flexbasis |

SET CASES - L **BLUESYSTEM MODULAR** **SET-KOFFER - L**

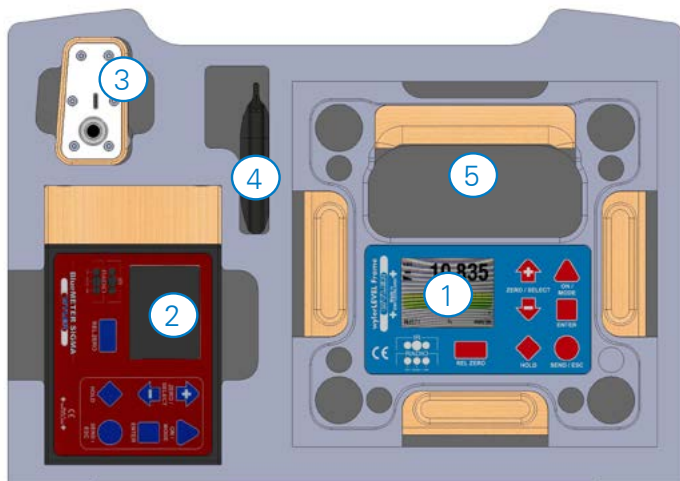
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder | |
|-----------------|--------------------------------|--------------------|----------------------|--------------------|--------------------|--|
| 1 | | | | | | |
| 2 | | | 4x batteries, size C | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | Box with screws | | | | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|--|
| Case L with Inlay for set with 1 BlueLEVEL-2D | 422-023B0006 | Koffer L mit Einlage für ein Set mit 1 BlueLEVEL-2D |

SET CASES - L **BLUESYSTEM MODULAR** SET-KOFFER - L

| Location Ort | Space for ... Platz für ... |
|--------------|-----------------------------|
| 1 | |
| 2 | 4x batteries, size C |
| 3 | |
| 4 | |
| 5 | |

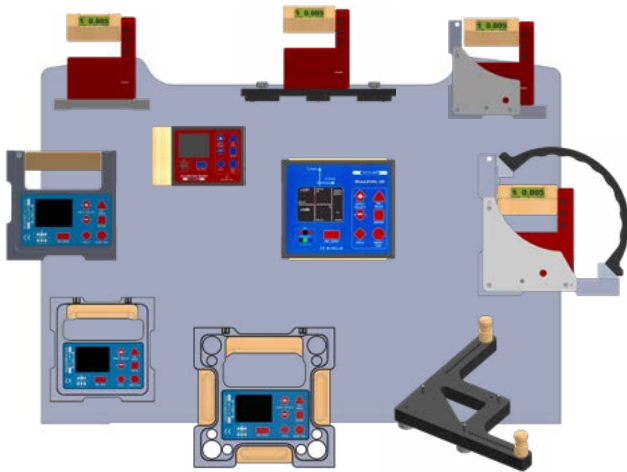


| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case L with Inlay for set with 1 wylerLEVEL Frame 200 mm | 422-023B0008 | Koffer L mit Einlage für ein Set mit 1 wylerLEVEL Frame 200 mm |

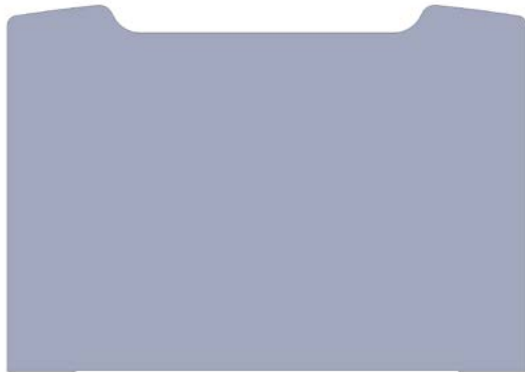
SET CASES - L

BLUESYSTEM MODULAR

SET-KOFFER - L












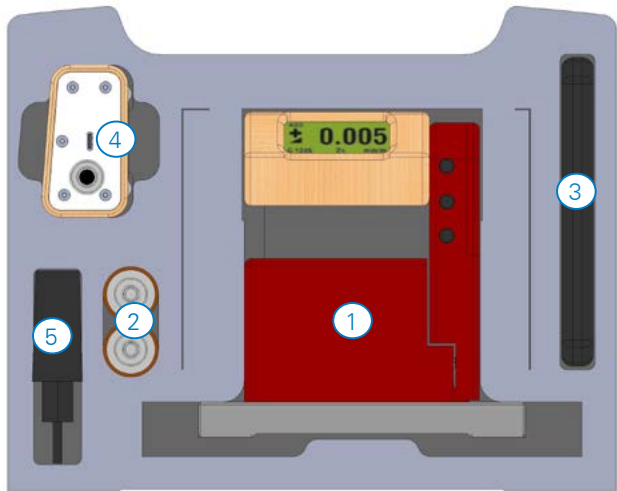
| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|--|
| Case L with customized inlay. Product number valid for price. With delivery customized product number stated | 422-023B1000 | Koffer L mit Einlage nach Kundenwunsch. Produktnummer gültig für Preis. Mit Lieferung wird kundenbezogene Produktnummer vergeben. |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|--|----------------------|---|
| Case L with raw inlay, to be cutted by end customer | 422-023B0010 | Koffer L mit Roheinlage, welche durch Endkunden zugeschnitten wird |

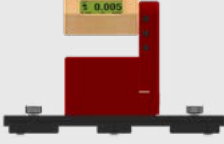



SET CASES - M **BLUESYSTEM MODULAR** **SET-KOFFER - M**

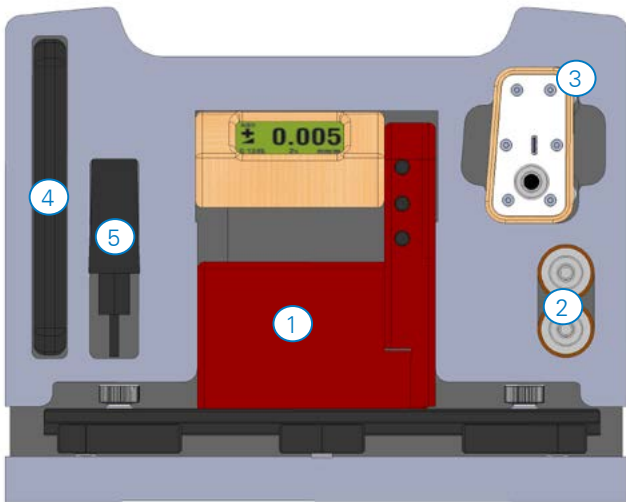
| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder | ... or ... oder |
|-----------------|--|--|--|--|--|--|
| 1 |  110 mm |  150 mm |  200 mm |  150 mm |  150 mm |  160 mm |
| 2 | 2 batteries, size C | | | | | |
| 3 |  | | | | | |
| 4 |  | | | | | |
| 5 |  | | | | | |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|--|
| Case M with Inlay for 1 BlueLEVEL / wylerLEVEL | 422-024B0003 | Koffer M mit Einlage für 1 BlueLEVEL / wylerLEVEL |

SET CASES - M **BLUESYSTEM MODULAR** **SET-KOFFER - M**

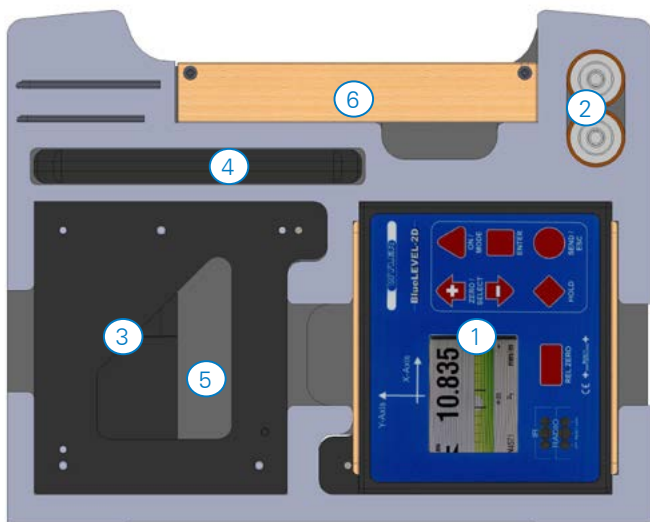
| Location Ort | Space for ... Platz für ... |
|-----------------|---|
| ① |  |
| ② | 2 batteries, size C |
| ③ |  |
| ④ |  |
| ⑤ |  |



| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|---|
| Case M with Inlay for 1 BlueLEVEL with flex base | 422-024B0004 | Koffer M mit Einlage für 1 BlueLEVEL Flexbasis |

SET CASES - M **BLUESYSTEM MODULAR** **SET-KOFFER - M**

| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder |
|-----------------|--------------------------------|--------------------|--------------------|
| 1 | | | |
| 2 | 2 batteries, size C | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | Box with screws | | |

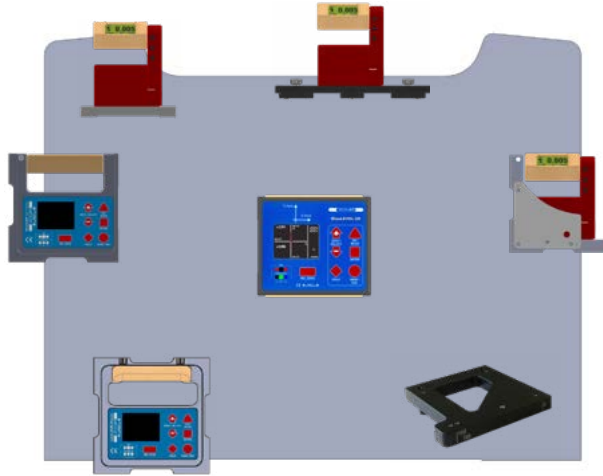


| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|---|----------------------|--|
| Case M with Inlay for 1 BlueLEVEL-2D | 422-024B0005 | Koffer M mit Einlage für 1 BlueLEVEL-2D |

SET CASES - M

BLUESYSTEM MODULAR

SET-KOFFER - M



Scope of delivery:

Case M with customized inlay.
Product number valid for price.
With delivery customized product
number stated

P/N
Produktnummer

422-024B1000

Lieferumfang:

Koffer M mit Einlage nach Kundenwunsch.
Produktnummer gültig für Preis.
Mit Lieferung wird kundenbezogene
Produktnummer vergeben.



Scope of delivery:

Case M with raw inlay, to be cutted by
end customer






P/N
Produktnummer

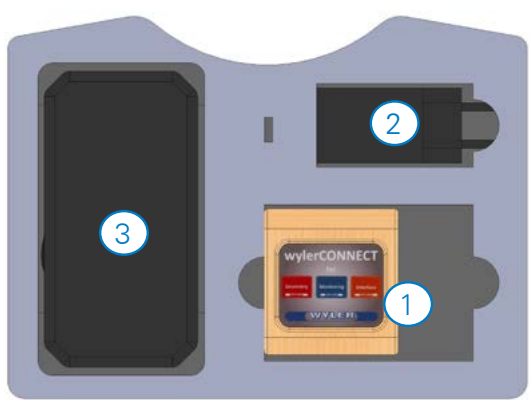
422-024B0010

Lieferumfang:

Koffer M mit Roheinlage, welche
durch Endkunden zugeschnitten wird

SET CASES - S **BLUESYSTEM MODULAR** **SET-KOFFER - S**

| Location Ort | Space for ... Platz für ... | ... or ... oder | ... or ... oder |
|-----------------|---|---|---|
| 1 |  |  |  |
| 2 |  | | |
| 3 |  | | |




| Scope of delivery: | P/N Produktnummer | Lieferumfang: |
|-----------------------------|----------------------|-------------------------------|
| Case S for wylerCONNECT set | 422-015-0006 | Koffer S für wylerCONNECT set |

SCS CERTIFICATES

BLUESYSTEM MODULAR

SCS-ZERTIFIKATE

| Calibration certificate | P/N Produktnummer | Kalibrierzertifikat |
|---|--|---|
| SCS calibration certificate for 1 electronic instrument as BlueLEVEL, wylerLEVEL, wylerLEVEL Frame |  SCS PLUS LEVEL | SCS-Kalibrierzertifikat für 1 elektronisches Messgerät wie BlueLEVEL, wylerLEVEL,wylerLEVEL Frame |
| SCS calibration certificate for 2 electronic instruments as BlueLEVEL, wylerLEVEL, wylerLEVEL Frame in combination with BlueMETER SIGMA | SCS PLUS Set 2 | SCS-Kalibrierzertifikat für 2 elektronische Messgeräte wie BlueLEVEL, wylerLEVEL,wylerLEVEL Frame in Verbindung mit BlueMETER SIGMA |
| SCS calibration certificate for 1 BlueLEVEL-2D | SCS PLUS 2D | SCS-Kalibrierzertifikat für 1 BlueLEVEL-2D |
| SCS calibration certificate for 2 BlueLEVEL-2D in combination with BlueMETER SIGMA | SCS PLUS Set 2D | SCS-Kalibrierzertifikat für 2 BlueLEVEL-2D in Verbindung mit BlueMETER SIGMA |