

GemRed



CATALOGUE

GEMRED INTELLIGENT MEASUREMENT SOLUTIONS

CATALOGUE 

GemRed Intelligent Measurement Solutions

50⁺

Global Technical Patents

60⁺

Global Sales Network

2M⁺

2M+ Units Sold Globally



GemRed is focusing on displacement sensors and developing measuring products in different fields. GemRed's absolute capacitive displacement sensor has obtained international invention patents. The chip is self-developed and produced, and the new generation sensor achieves large-scale absolute high-resolution measurement.

Driven by the innovation of intelligent manufacturing, measuring technology is moving from "precision" to "intelligence". Guilin GemRed Sensing Technology Co., Ltd. (GemRed) relies on more than 20 years of technological accumulation and takes "GemRed Intelligent Manufacturing" as its core strategy. With more stable and high-precision sensors integration of digitalization and intelligence, GemRed aims to create a new generation of intelligent measurement products and redefine the accuracy, efficiency, and value of industrial testing.

01

Corporate Honors



Awards & Accreditations



+GF+ Customer Recognition

Smart Level ML200 have been tested in installation activities of GF Machining Solutions. The devices have shown reliability, good result and convenience. Smart Level ML200 meets fully their requirements.

50⁺ | Patents Display



GemRed has over 50 patents and more than 10 software copyrights, providing impetus for the sustainable development and ensuring that our products occupy a competitive advantage in the market.

Professional Qualifications

GemRed adheres to strict international standards for our products, and our products have obtained multiple international standard certifications.





Factory Display



Machining Workshop



Lamination & Bonding Workshop



Product Assembly Workshop



Product Testing Lab



Workshop Environment

CONTENT

01

Industrial Precision Measuring Instruments

Bluetooth Digital Caliper	09
Smart Level Instrument	10
Digital Indicator	13
Digital Universal Protractor	16

02

ANGLE Measuring Tool

2 In 1 Digital Angle Finder	19
Digital Miter Saw Protractor	20
DIY Digital Angle Finder	20
Digital Angle Finder	21

03

INCLINATION Measuring Tool

Digital Angle Gauge	24
Digital Level Box	25
IP65 Digital Protractor	26
IP67 Digital Protractor	26

04

LEVELING Measuring Tool

Digital Level	29
Digital Torpedo Level	30
Mini Level	30

05

Other Tool

Home Level	32
Digital Height Gauge	33

06

Consumer Electronics

Smart Body Tape Measure	36
Smart Measure Tape for Pets	38
Smart Height Measuring Tape	40
Smart Touch High Jump Counter	40
Orthopedic Digital Doniometer	41

01

Industrial Precision Measuring Instruments



GemRed's patented absolute capacitive sensor. Unique design of the sensor improves the accuracy and resolution of the product. It also provide good stability during operation.



Built-in with wireless data transmission.



Compatible with mobile and PC applications.



Access to data transmission, can provide protocol to software developing.



Built-in with rechargeable battery, using type-C interface.

IP54

IP54 protection, prevent debris and water from affecting product operation.

01



> Digital Caliper

Bluetooth Digital Caliper

09

> Smart Level Instrument

Smart Level ML100

10

Smart Level ML200

11

> Digital Indicator

Digital Indicator(P Series)

13

Digital Indicator(0.001 N Series)

14

Digital Indicator(0.01 N Series)

15

> Digital Universal Protractor

Digital Universal Protractor

16



Bluetooth Digital Caliper

BLE 5.0



- Compliant with ISO 13385-1:2019.
- Built-in Wireless: HID & BLE 5.0.
- Buttons: ZERO, mm/inch, Data.



I-DCB150

Two modes



HID Connection:
Direct Connection to PC/Phone
for One-Click Data Export to
Excel.



Wireless Transmission Protocol:
Supports Custom Data Interface
Development & Integration with
Proprietary Systems.

HID Connection:



Transmission distance $\geq 10m$



EXCEL or WPS

	A	B	C	D	E	F
1	Project	Result1	Result2	Result3	Result4	Pass
2	4.7	4.70	4.69	4.70	4.70	OK
3	3.7	3.70	3.72	3.65	3.70	NG
4	5	4.98	4.99	5.00	5.00	OK
5	1.4	1.39				

Line Input

Column Input

- Specify an Excel sheet and box any area to fill in the text box in that area with measurement data.
Use the keys on the caliper to switch the direction of filling in the data with a single keystroke.

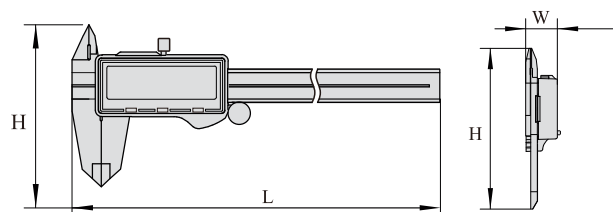
Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
I-DCB150	150mm	0.01mm	±0.02mm	235×77.6×15.3
I-DCB200	200mm	0.01mm	±0.02mm	286×90.5×15.3
I-DCB300	300mm	0.01mm	±0.03mm	390×97×15.3

*Depth Error 0.03mm

Working Temp.	0°C~40°C
Working Humidity	≤85%RH
Battery	1*CR2032
Wireless Mode	HID Connection* / BLE 5.0
Transmission Distance	≥10m

*No adapter required, compatible with Windows 10 and above systems, and most smartphone (with Bluetooth).



Smart Level ML100

Digital Display, remote display, easy to calibrate

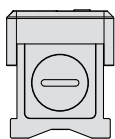


I-ML100

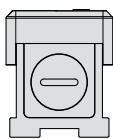
- Compliant with GB/T20920-2007.
- For Single-axis Leveling: Rail Leveling.
- Functions: Unit switch, Calibration, Reading hold, Reverse display



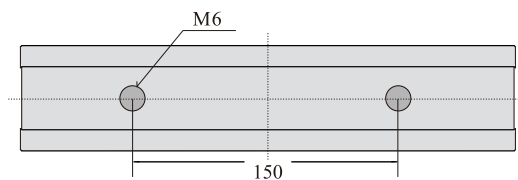
- The ML100, paired with a universal display, enables split-screen display functionality.



V-Groove



I-Beam



Mounting Holes



Mobile APP
(Standard)

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	Base
I-ML100(-B)	±0.5mm/m	0.01mm/m	±0.02mm/m	I-Beam
I-ML100-H(B)	±0.5mm/m	0.01mm/m	±0.02mm/m	Mounting Holes
I-ML100-V(B)	±0.5mm/m	0.01mm/m	±0.02mm/m	V-Groove



Universal Display
(Optional)

Battery	AAA*3
L×H×W(mm)	200×58×50
Working Temp.	10°C~40°C
Working Humidity	≤85%RH
Working Hours	30 hours

- Standard Model: No wireless
- Wireless Model (Order No. with "B"):
Mobile App included, Universal Display optional.

Standard Configuration

ML100	1
AAA Battery	3
Mobile APP	Wireless Model

Optional Configuration

Universal Display	I-DT001
-------------------	---------

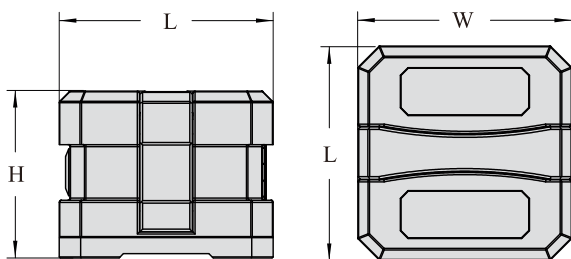
Smart Level ML200

Remote Display, Wireless Transmission



I-ML200

- Compliant with GB/T20920-2007.
- For Dual-axis Leveling: e.g., machine installation.
- Built-in Wireless: Syncs with mobile APP & displays for split-screen readings and real-time monitoring.
- Supports Multi ML200 Networking: Centralized display for grouped units.



Technical Data

Order No.	I-ML200
Measuring Range	±0.5mm/m
Resolution	0.01mm/m
Accuracy	±0.02mm/m
Battery	AAA*3
L×H×W(mm)	100×78×100
Weight	1600
Wireless Connection	Ble 5.1



- The ML200, paired with a remote display, enables split-screen display functionality.



- The remote display can support the networking status display of up to four ML200 units simultaneously.



L-Ruler
(Standard)



Mobile APP
(Standard)



Universal Display
(Optional)



Remote Display
(Optional)

Standard Configuration

ML200	1
AAA battery	6
L-Ruler	1
Mobile APP	Standard

Optional Configuration

Universal Display	1
Remote Display	1

Universal Display



- Wireless connection to ML100 or ML200.
- Single-axis and dual-axis X and Y with digital display.
- Connects to ML200 for X/Y tilt indication.



I-DT001

Technical Data

Order No.	I-DT001
Wireless Distance	≥10m
Working Hours	20 hours
Battery	300mAh
Charging Interface	Type-C
Charging Voltage	5V
Working Temp.	10°C~40°C

Pair with ML100



Pair with ML200



Remote Display



- Wireless connection to ML200
- Smart digital display with dual-axis measurement
- X/Y tilt indication
- Networked measuring, connects up to 4 ML200 for large machine adjustment



I-DT002

Technical Data

Order No.	I-DT002
Wireless Distance	≥10m
Working Hours	7 hours
Battery	4000mAh
Charging Interface	Type-C
Charging Voltage	5V
Working Temp.	10°C~40°C

Pair with ML200



P Series Digital Indicator

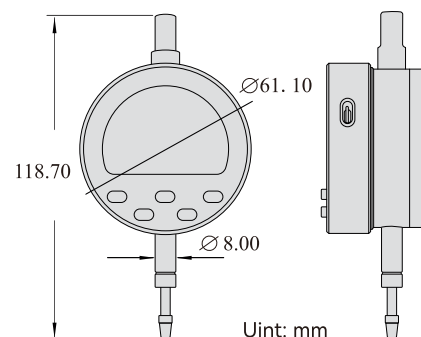
Micron Accuracy, Good Stability



- Compliant with ISO 13102:2012.
- Absolute Capacitive Grating Sensor.
- Type-C Port: Data & charging (5V).
- Support Wireless Transmission (Order No. with "B").
- Functions: Set value, ABS/INC, Change indication, Tolerance, Trace Max/Min.



I-DIP-4010



Technical Data

Order No.	Measuring Range	Resolution	Repeatability	Max.Error	Backhaul Error
I-DIP-4010	12.7mm	0.0005mm	0.001mm	0.003mm	0.0015mm
I-DIP-4010-(B)	12.7mm	0.0005mm	0.001mm	0.003mm	0.0015mm

P Series Digital Bore Indicator

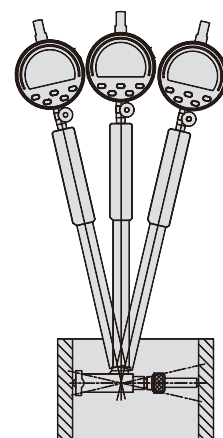
Quick Minimum Capture & Enhanced Efficiency



- Compliant with ISO 13102:2012.
- Absolute Capacitive Grating Sensor.
- Type-C Port: Data & charging (5V).
- Support Wireless Transmission (Order No. with "B").
- Functions: Set value, ABS/INC, Calibration, Trace Min, mm/inch.



I-DIP-4010-I



Technical Data

Order No.	Measuring Range	Resolution	Repeatability	Max.Error	Backhaul Error
I-DIP-4010-I	6.4mm	0.0005mm	0.001mm	0.002mm	0.0015mm
I-DIP-4010-IB	6.4mm	0.0005mm	0.001mm	0.002mm	0.0015mm

*The specifications of the internal diameter gauge refer solely to the performance of the gauge head and do not include accessories such as measuring rods.

P Series Digital Comparator Indicator

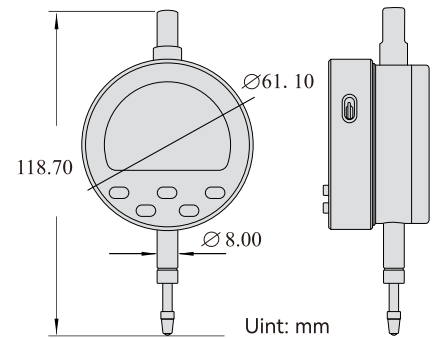
Specialized micro-measurement function captures runout variations



μ级测量



I-DIP-4010-C



- Compliant with ISO 13102:2012.
- Absolute Capacitive Grating Sensor.
- Type-C Port: Data & charging (5V).
- Support Wireless Transmission (Order No. with "B").
- Functions: Set value, ABS/INC, Change indication, Tolerance, Trace Max/Min.

Technical Data

Order No.	Measuring Range	Resolution	Repeatability	Max.Error	Backhaul Error
I-DIP-4010-C	3mm	0.0005mm	0.001mm	0.002mm	0.001mm
I-DIP-4010-CB	3mm	0.0005mm	0.001mm	0.002mm	0.001mm

N Series Digital Indicator

NEW

Stable anti-interference, reliable data



I-DIN-3010-R



- Compliant with ISO 13102:2012.
- Absolute Capacitive Grating Sensor.
- Data Port: Type-C
- Battery: CR2032
- 320° Rotatable (Order No. with "R")
- Support Wireless Transmission (Order No. with "B").
- Functions: Set value, ABS/INC, Change indication, Tolerance, Trace Max/Min.

Technical Data

Order No.	Measuring Range	Resolution	Repeatability	Max.Error	Backhaul Error
I-DIN3010-R	12.7mm	0.001mm	0.001mm	0.003mm	0.002mm
I-DIN-3010-BR	12.7mm	0.001mm	0.001mm	0.003mm	0.002mm

N Series Digital Bore Indicator

Absolute capacitive grating patented technology



- Compliant with ISO 13102:2012.
- Absolute Capacitive Grating Sensor.
- Data Port: Type-C.
- Battery: CR2032
- 320° Rotatable (Order No. with "R")
- Support Wireless Transmission (Order No. with "B").
- Functions: Set value, ABS/INC, Calibration, Trace Min, mm/inch.



I-DIN-3010-IR

Technical Data

Order No.	Measuring Range	Resolution	Repeatability	Max.Error	Backhaul Error
I-DIN-3010-IR	12.7mm	0.001mm	0.001mm	0.003mm	0.002mm
I-DIN-3010-IBR	12.7mm	0.001mm	0.001mm	0.003mm	0.002mm

*The specifications of the internal diameter gauge refer solely to the performance of the gauge head and do not include accessories such as measuring rods.

N Series Digital Indicator **NEW**

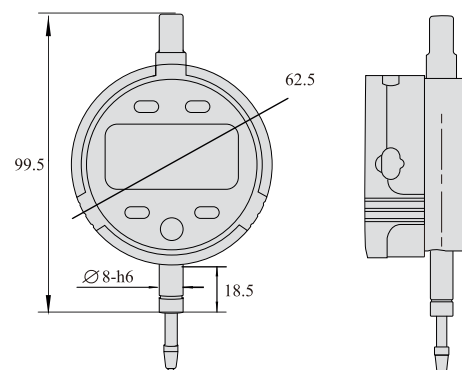
Absolute capacitive grating patented technology



- Compliant with ISO 13102:2012.
- Absolute Capacitive Grating Sensor.
- Data Port: Type-C.
- Battery: CR2032
- Switchable Resolution (0.01/0.005mm, Order No. with "X")
- Functions: mm/inch, Set Zero, Switch Resolution.



I-DIN-2010



Technical Data

Order No.	Measuring Range	Resolution	Repeatability	Max.Error	Backhaul Error
I-DIN-2010	12.7mm	0.01mm	0.01mm	0.02mm	0.01mm
I-DIN-X010	12.7mm	0.01/0.005mm (switchable)	0.005mm	0.01mm	0.01mm

Digital Universal Protractor

Absolute capacitive grating patented technology



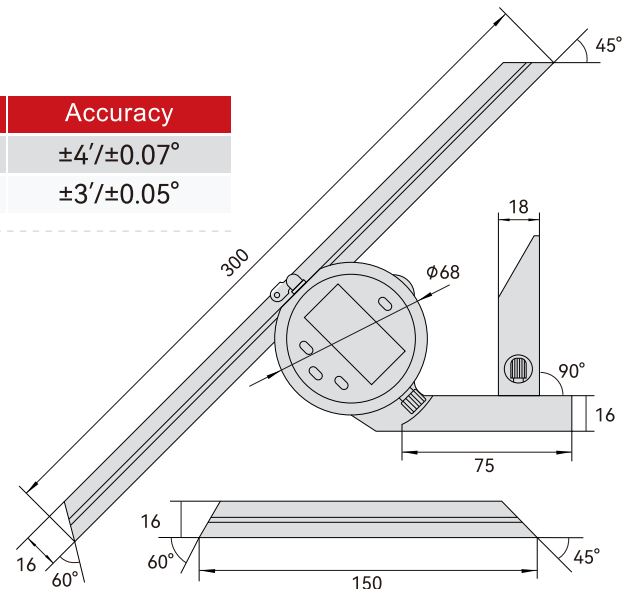
I-UP100

- Compliant with GB/T 6315-2008.
- Absolute Grating Sensor.
- Buttons: Reverse display, Angle Range: 0-90°/0-180°/0-360°, Unit Switch, Data Hold, Zero.

Technical Data

Order No.	Measure Range	Resolution	Accuracy
I-UP100	0~360° 2x180° 4x90°	1' /0.01°	±4' /±0.07°
I-UP100-P	0~360° 2x180° 4x90°	1' /0.01°	±3' /±0.05°

Protection Grade	IP54
Working Temp.	0°C~40°C
Battery	1*CR2032
Working Hours	1000h



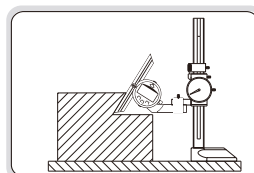
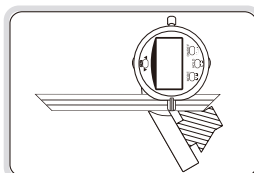
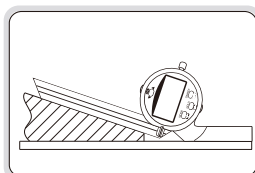
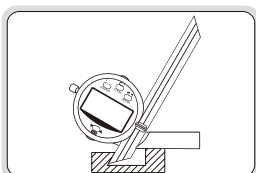
Right Angle Measurement



Supplementary Angle Measurement



Flip Display





02

ANGLE Measurement Tools



Built-in with wireless
data transmission.

02



> 2 in 1 Digital Angle Finder

2 In 1 Digital Angle Finder(Stainless Steel)	19
2 In 1 Digital Angle Finder(Aluminum)	19
2 In 1 Digital Angle Finder(Plastic)	19

> Digital Miter Saw Protractor

Digital Miter Saw Protractor	20
------------------------------	----

> DIY Digital Angle Finder

DIY Digital Angle Finder	20
--------------------------	----

> Digital Angle Finder

Digital Angle Finder	21
----------------------	----

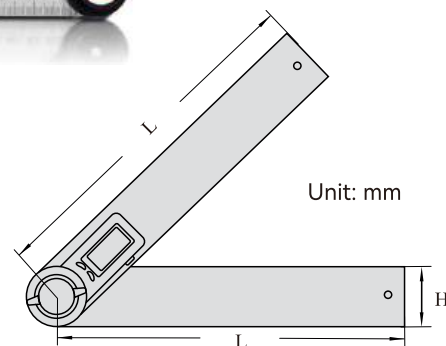
2 In 1 Digital Angle Finder (Stainless Steel)

2

- CR2032 battery.
- Digital display, easy reading.
- Locking knob secures at any angle.
- Zero at any angle for relative measuring.
- Laser-engraved markings, clear and durable.
- Stainless steel body, smooth and burr-free.



82305-200D



Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
82305-150D	360°	0.1°	±0.3°	168×20×35
82305-200D	360°	0.1°	±0.3°	218×20×35
82305-300D	360°	0.1°	±0.3°	318×20×35
82305-500D	360°	0.1°	±0.3°	518×20×35

2 In 1 Digital Angle Finder



82305-200A(Aluminum)



82311-200P(Plastic)

- CR2032 battery.
- Digital display, easy reading.
- Locking knob secures at any angle.
- Zero at any angle for relative measuring.

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
82305-200A	360°	0.1°	±0.3°	218×20×35
82311-200P	360°	0.1°	±0.3°	218×20×35



Digital Miter Saw Protractor

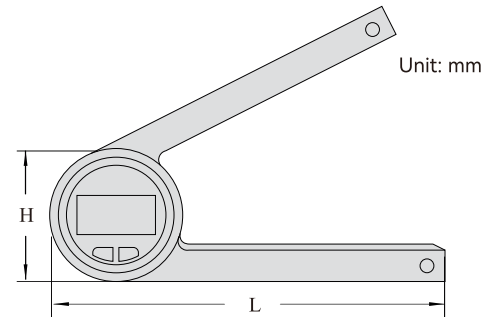


A-MP001

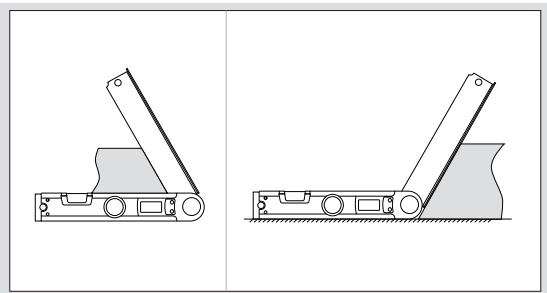
- CR2032 battery.
- Large screen display, direct angle readings.
- Quick switch between "Miter" and "Single" modes.
- Invert data with one button for easy reading.
- Stable bearings, flat ruler, accurate measurement.
- Durable high-polymer composite material.

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
A-MP001	360°	0.1°	±0.5°	181×62×21



DIY Digital Angle Finder



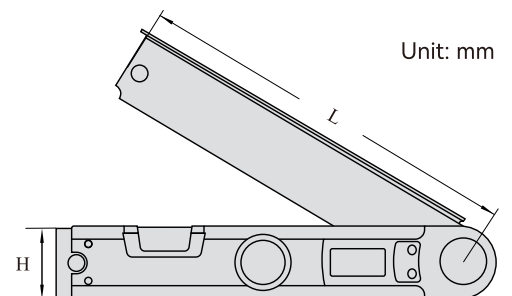
- Large screen display, direct angle readings.
- Precision bubble level for easy leveling.
- Lock button holds readings for convenience.
- Durable anodized aluminum body.
- AAA Alkaline battery.

Technical Data

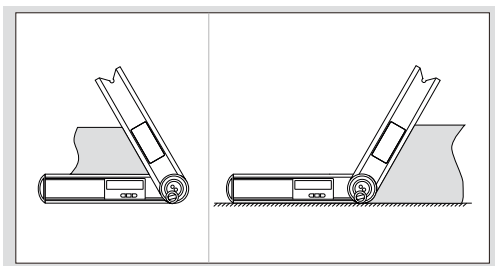
Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
82306-250	0°~225°	0.1°	±0.3°	254×50×25
82306-300	0°~225°	0.1°	±0.3°	304×50×25
82306-300B*	0°~225°	0.1°	±0.3°	304×50×25
82306-400	0°~225°	0.1°	±0.3°	404×50×25



82306-300



Digital Angle Finder



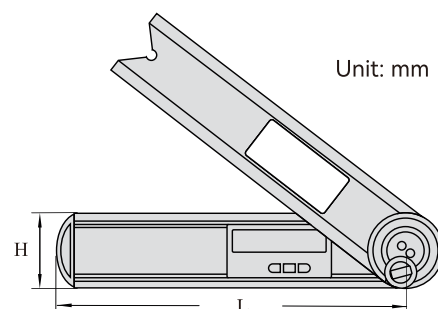
82302-00



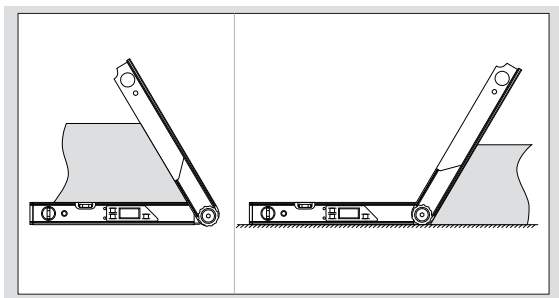
- CR2032 battery.
- Large screen display, direct angle readings.
- Locking screw with four positions for flexible measurement:
"0°~225°, -225°~0°, -45°~180°, -180°~45°".
- HOLD button fixes data.
- V-groove ruler, easy marking.
- Built-in bubble level.

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
82302-00	360°	0.05°	±0.15°	268×50×25



Digital Angle Finder

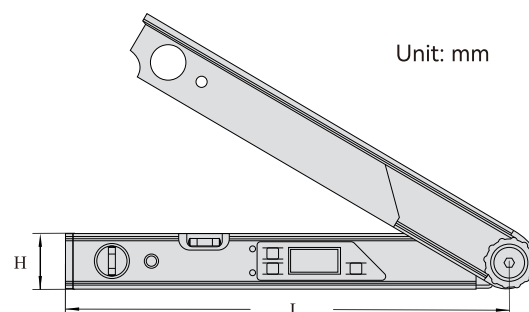


83015

- AAA battery.
- Large screen display, direct angle readings.
- Backlit blue screen for low-light use.
- Horizontal & vertical bubble levels for level and plumb checks.
- Supports external, internal and miter angle calculations.

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
83015	225°	0.05°	±0.1°	485×50×62



03

INCLINATION Measurement Tools



Built-in with wireless data transmission.



The measuring surface has magnetism and can attract onto iron working surfaces.

IP54

IP54 protection, prevent debris and water from affecting product operation.

IP65

IP65 protection, prevent debris and water from affecting product operation.

IP67

IP65 protection, prevent debris and water from affecting product operation.

03



> Digital Angle Gauge

Digital Angle Gauge 24

> Digital Level Box

Digital Level Box 25

> IP65 Digital Protractor

IP65 Digital Protractor 26

> IP67 Digital Protractor

IP67 Digital Protractor 26



Digital Angle Gauge NEW

IP54



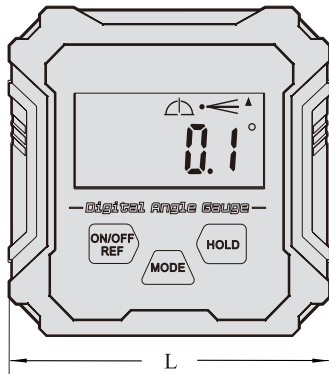
V-Groove with Strong Magnetic Base



HOLD function for data retention



- AAA battery.
- **IP54** protection grade.
- Backlit LCD display, auto data inversion.
- V-slot magnetic stand.
- HOLD function for data retention.
- ABS absolute measurement / ZERO relative measurement.



Technical Data

Order No.	Range	Resolution	Accuracy
82432-B	4×90°/	0.1°	0°&90°:±0.1°
82432-A	2×180°	0.1°	other:±0.2°

Protection Grade	IP54
Battery	AAA*1
L×H×W(mm)	60.5×59.5×28
Working Temp.	0°C~50°C
Working Humidity	≤85%



82432-A

82432-B

Measurement Ranges



0°-90°

When the measuring range is 4×90°, icon  will show on the display.



0°-180°

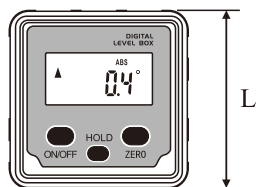
When the measuring range is 2×180°, icon  will show on the display.



Digital Level Box



- AAA battery.
- Backlit LCD display; auto data inversion.
- Thickened metal frame; built-in strong magnet at the base.
- ABS absolute measurement /ZERO relative measurement.
- HOLD function for data retention (three buttons type).
- Data saving for convenient recording.



82412BB-00
(With two Buttons)



82412SB-00
(With three Buttons)



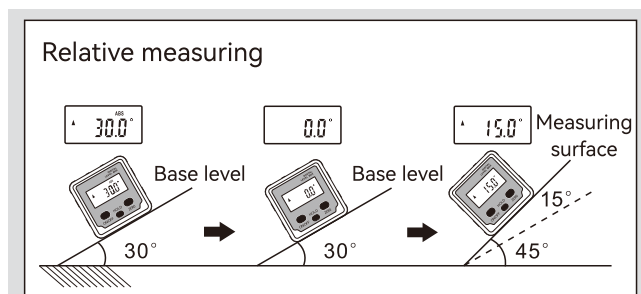
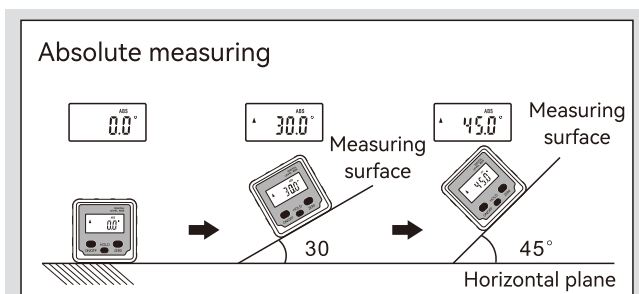
82412LB-00
(With a Bubble)



82412VB-00
(Built-in V-Base)

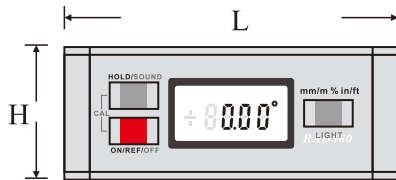
Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)
82412BB-00	4×90°	0.1°	±0.2°	60×60×25
82412BB-00B	4×90°	0.1°	±0.2°	60×60×25
82412SB-00	2×180°	0.1°	±0.2°	60×60×25
82412SB-00B	2×180°	0.1°	±0.2°	60×60×25
82412LB-00	2×180°	0.1°	±0.2°	73×60×25
82412VB-00	2×180°	0.1°	±0.2°	69×60×25



IP65 Digital Protractor

IP65



82413-00

- AAA battery.
- Backlit large display for clear readings in low-light environments.
- IP65 waterproof and dustproof, adaptable to multiple conditions.
- Built-in strong magnet at the bottom.
- 4×90° display, automatic screen rotating.
- HOLD function for data retention

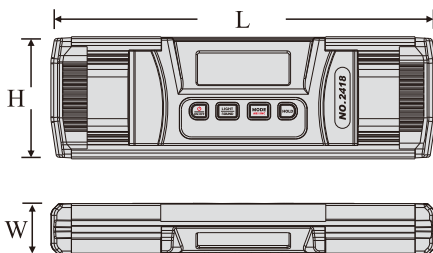


Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)	Magnetic
82413-00C	4×90°	0.05°	0° & 90°:±0.05°	162×60×33	-
82413-00B	4×90°	0.05°	Other:±0.15°	162×60×33	●

IP67 Digital Protractor

IP67



82418

- AAA battery.
- High-precision MEMS leveling sensor for tracking inspection.
- IP67 protection, waterproof and dustproof.



Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)	Magnetic
82418	4×90°	0.05°	0°:±0.05° Other:±0.1°	201×64×28.5	●

04

LEVELING Measurement Tools



Built-in with wireless data transmission.



The measuring surface has magnetism and can attract onto iron working surfaces.



Built in buzzer that can produce different sounds based on measuring results.

IP65

IP65 protection, prevent debris and water from affecting product operation.

04



> Digital Level

Digital Level(Two-Button) 29

Digital Level(Three-Button) 29

> Digital Torpedo Level

Digital Torpedo Level 30

> Mini Level

Mini Level 30

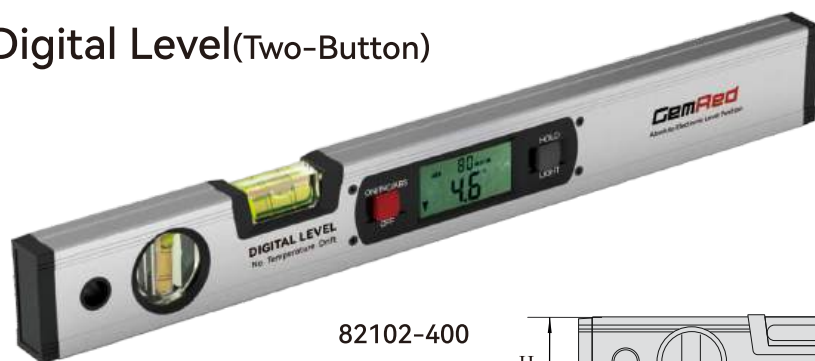


DIGITAL LEVEL
No Temperature Drift

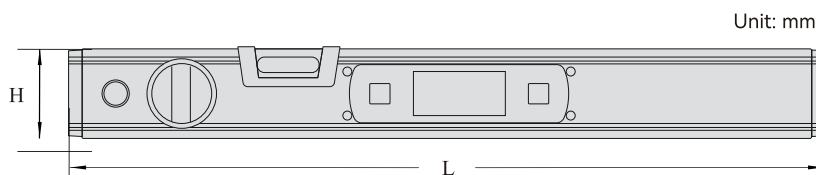
Absolute Electronic Level
400mm

Absolute Electronic Level Position
400mm

Digital Level(Two-Button)



82102-400



Unit: mm

- AAA battery.
- Blue backlit large screen, usable in dark environments.
- ABS absolute / INC relative measuring.
- HOLD button for data retention; automatic data inversion.
- Built-in magnet at the bottom.
- Angle<5.5°, with degree (°) and slope (mm/m) displayed on the same screen.

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)	Magnetic	Buzzer
82102-400	4×90°	0.1°	±0.2°	416×50×21	-	-
82102-400M	4×90°	0.1°	±0.2°	416×50×21	●	-

Digital Level(Three-Button)



82103-600



Unit: mm

Technical Data

Order No.	Range	Resolution	Accuracy	Magnetic
82103-600	4×90°	0° & 90°:0.05°; Other:0.1°	0° & 90°:0.05°; Other:±0.2°	-
82103-600M				●
82103-800				-
82103-800M				●
82103-1000				-
82103-1000M				●
82103-1200				-
82103-1200M				●

- AAA battery.
- Blue backlit large screen, usable in dark environments.
- ABS absolute / REF relative measuring.
- Buzzer, sounds gradually increases as angle approaches 0° or 90°.
- HOLD button for data retention; automatic data inversion.

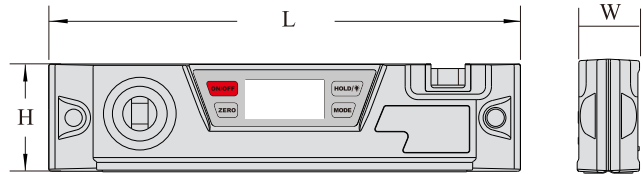
Digital Torpedo Level



4



82420-00



Unit: mm

- AAA battery.
- Green backlit large screen, usable in dark environments.
- ABS absolute / REF relative measuring.
- Three switchable units: °, ‰, in/ft.
- HOLD button for data retention; automatic data inversion.
- Aluminum alloy measuring base; high-definition bubble level.

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)	Magnetic	Buzzer
82420-00	4×90°	0.05°	0° & 90°:±0.05° Other:±0.2°	228×52×28.5	-	-
82420-00M	4×90°	0.05°		228×52×28.5	●	-
82420-00MA	4×90°	0.05°		228×52×28.5	●	●

Mini Level

IP65



82107-150



82107-200MA

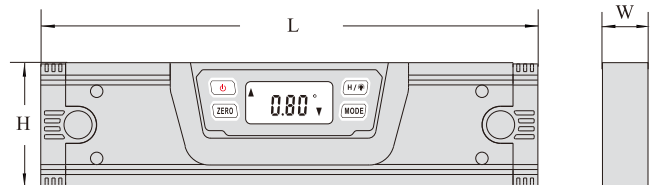


82107-300MA



82107-400MA

- Backlit large display for clear readings in dark environments.
- IP65 waterproof and dustproof, adaptable to multiple conditions.
- ABS absolute / REF relative measuring.
- HOLD button for data retention; automatic data inversion.
- Three switchable units: °, ‰, in/ft.



Unit: mm

Technical Data

Order No.	Measuring Range	Resolution	Accuracy	L×H×W(mm)	Magnetic	Buzzer
82107-150	4×90°	0.05°	±0.2°	150×50×21	-	-
82107-200MA				200×50×21	●	●
82107-300				300×50×21	-	-
82107-300MA				300×50×21	●	●
82107-400				400×50×21	-	-
82107-400MA				400×50×21	●	●

05

Other Tools



Built-in with wireless data transmission.



Support by smart phone application.



Built-in with rechargeable battery, using type-C interface.



The measuring surface has magnetism and can attract onto iron working surfaces.

05



Home Level

Home Level

32



Digital Height Gauge

Digital Height Gauge

33

Home Level

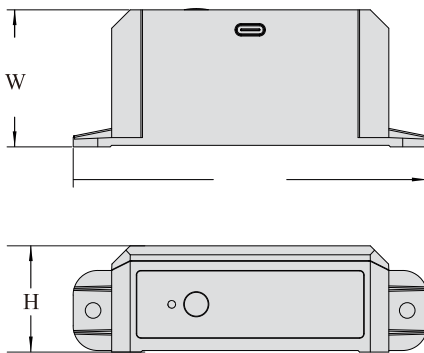


- Wireless remote display on Smartphone.
- Real-time measurement data transfer to mobile devices.
- Measures tilt angles in both X and Y axis simultaneously.
- App provides intelligent guidance for quick angle adjustment.



L-RV002

Unit: mm



Technical Data

Order No.	L-RV002
Resolution	0.1°
Accuracy	±0.2°
Measuring Range	±10°
L×H×W(mm)	115×34.5×44.5
Battery	ER14250
Charging Interface	Type-C
Charging Voltage	5V
Working Temp.	-10°C~50°C



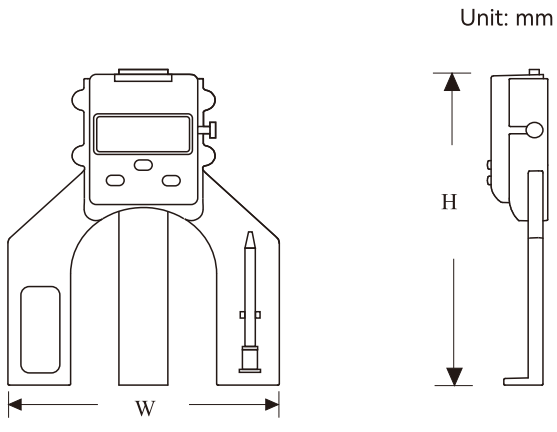
Digital Height Gauge



- High-precision height and depth measureme
- Suitable for both manual and benchtop slotting machines.
- Locking function, with a digital display for easy reading.
- Magnetic base allows for self-standing operation.



81105



Technical Data

Order No.	81105
Resolution	0.05mm
Accuracy	±0.1mm
Measuring Range	Height: 80mm Depth: 50mm
L×H×W(mm)	60.5×59.5×28
Battery	CR2032
Working Temp.	0°C~50°C



06

Consumer Electronics



Access to data transmission,
can provide protocol to
software developing.



Built-in with wireless data
transmission.



Support by smart phone
application.



Support Voice function.



Built-in with rechargeable
battery, using type-C interface.

06



> Smart Body Tape Measure

Smart Body Tape Measure 36

> Smart Measure Tape For Pets

Smart Measure Tape For Pets 38

> Smart Height Measuring Tape

Smart Height Measuring Tape 40

> Smart Touch High Jump Counter

Smart Touch High Jump Counter 40

> Orthopedic Digital Doniometer

Orthopedic Digital Doniometer 41



SMART BODY TAPE MEASURE



- Large digital display for accurate and easy measuring.
- Easy to use, with one-button automatic tape retraction
- Fast measuring, precise recording of full body circumference
- Periodic tracking on body shape trends
- Analyzes body shape features and waist-to-hip ratio for health status

Smart Body Tape Measure



Order No.

84103-150B  

Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	
L×H×W(mm): 71×58×27mm	Weight: 56g
Battery: CR2032	Working Temp.: 0°C~40°C

6



Order No.

84103-150P  

Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	
L×H×W(mm): 71×58×27mm	Weight: 56g
Battery: CR2032	Working Temp.: 0°C~40°C



Order No. 

HT-001  

Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	
L×H×W(mm): 66×66×28mm	Weight: 62g
Battery: CR2032	Working Temp.: 0°C~40°C

Smart Body Tape Measure(Type-C)



Order No.



HT-002Y



Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	Working Temp.: 0°C~40°C
L×H×W(mm): 71.5×71.5×28mm	Weight: 68g
Charging Interface: Type-C	Charging Voltage: 5V



Order No.



HT-002P



Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	Working Temp.: 0°C~40°C
L×H×W(mm): 71.5×71.5×28mm	Weight: 68g
Charging Interface: Type-C	Charging Voltage: 5V



Type-C Charging

Smart Measure Tape For Pets



Order No.

PT-001B



Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	Working Temp.: 0°C~40°C
L×H×W(mm): 71.5×71.5×28mm	Weight: 68g
Charging Interface: Type-C	Charging Voltage: 5V



Order No.

PT-001W



Technical Data

Resolution: 0.1cm	Accuracy: 2‰
Measuring Range: 1500mm	Working Temp.: 0°C~40°C
L×H×W(mm): 71.5×71.5×28mm	Weight: 68g
Charging Interface: Type-C	Charging Voltage: 5V



UPGRADED PET HEALTH MANAGEMENT

- ◇ View data at any time.
- ◇ Help in choosing pet supplies.
- ◇ Data tracks.
- ◇ Check growth records, adjust your pet's nutrition in time.



SMART HEIGHT MEASURING TAPE



- Wireless Connection
- Grow up with fun
- Voice Broadcast
- Easy to install & Simple to Use

SMART TOUCH HIGH JUMP COUNTER

Smart Height Measuring Tape



Order No.

KT-001R



Technical Data

Resolution: 0.1cm	Repeatability: ± 0.1 cm
Charging Interface: Type-C	Charging Voltage: 5V
Installation Height: 1m~2.5m	



KT-001A



Technical Data

Resolution: 0.1cm	Repeatability: ± 0.1 cm
Charging Interface: Type-C	Charging Voltage: 5V
Installation Height: 1m~2.5m	

Smart Touch High Jump Counter



Order No.

KT-010



Technical Data

L×H×W(mm): 100x100x415	Weight: 109g
Battery: AAA*3	

Orthopedic Digital Doniometer

6



Order No.

GR311-L  

Technical Data

Resolution: 0.1°	Accuracy: ±1°
Measuring Range: 0°~180°	
L×H×W(mm): 318×128×22mm Weight: 96g	
Battery: CR2032	Working Temp.: 0°C~50°C



Order No.

82311-200P 

Technical Data

Resolution: 0.1°	Accuracy: ±0.5°
Measuring Range: 000.0°~999.9°	
L×H×W(mm): 218×20×35mm Weight: 58g	
Battery: CR2032	Working Temp.: 0°C~50°C



SMART HEALTHCARE DETECTION

- ◆ Smartphone app records rehabilitation trends.



Guilin GemRed sensor technology Co.,Ltd

No.8 High-tech Industry Park Chaoyang Road,Guilin,Guangxi,China

Website: WWW.GEMRED.COM

Tel: +86 19167735536

E-mail:info@gemred.com



www.gemred.com



Download