

## DIGITAL LEVEL AND SLOPE METER

MAGNETIC  
BOTTOM

WORKING TEMPERATURE  
-5°C~50°C

BACKLIGHT

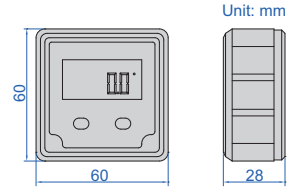
DISPLAY FLIPS OVER WHEN  
THE BOTTOM FACES UP

ABSOLUTE  
LEVEL

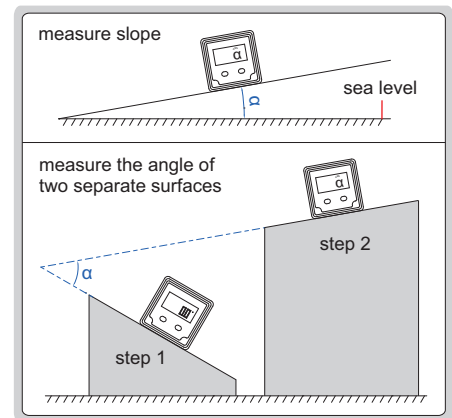
POPULAR  
MODEL



2170-1



- Used as level and slope meter
- Aluminum frame
- Magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 seconds after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery, automatic power off in 5 minutes



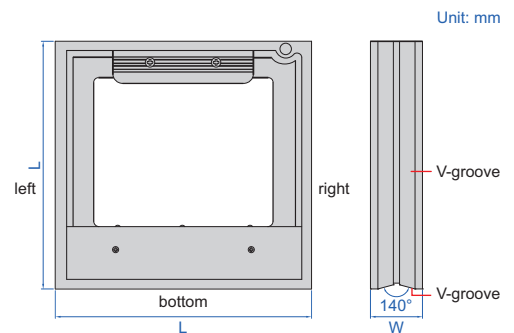
Code	Range	Resolution	Accuracy
2170-1	4x90°	0.1° (=1.745mm/m)	at 0° and 90°: ±0.1°; at others: ±0.2°

## FRAME LEVELS



4902-200

- V-groove on bottom and left for shafts (shafts dia. 15~68mm)
- With transverse vial



Code		Size (L×L)	W
Sensitivity 0.02mm/m (=0.001°)	Sensitivity 0.05mm/m (=0.0029°)		
4902-150	4902-C150	150x150mm	40mm
4902-200	4902-C200	200x200mm	40mm
4902-300	4902-C300	300x300mm	45mm

NO NEED TO SET ZERO BEFORE USE

FRAME LEVELS  
**INSIZE PLUS**  
 MADE IN EUROPE



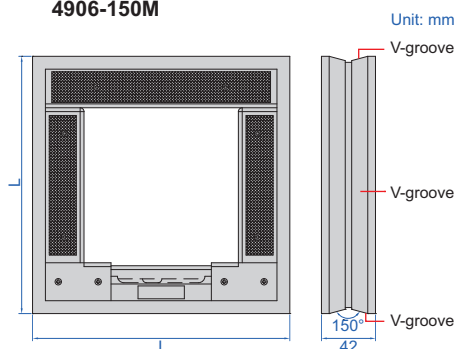
4906-150

magnet on the left side



4906-150M

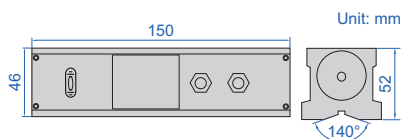
- No need to set zero before use
- Three V-grooves for shafts (shafts dia. 19.3~115.9mm)
- With longitudinal vial



Code		Size (L×L)	Remark
Sensitivity 0.02mm/m (=0.001°)	Sensitivity 0.1mm/m (=0.0057°)		
4906-150	4906-B150	150×150mm	–
4906-200	4906-B200	200×200mm	–
4906-300	4906-B300	300×300mm	–
4906-150M	4906-B150M	150×150mm	with magnet
4906-200M	4906-B200M	200×200mm	with magnet
4906-300M	4906-B300M	300×300mm	with magnet



## ELECTRONIC BLOCK LEVEL



- Button function: power switch, zero, data save, ABS/REF
- 8 sets of measuring data can be saved on the LCD
- V-groove on bottom for shafts (shafts dia. 14~75mm)
- With transverse vial
- Li-ion battery power supply, for 30h continuous working
- Supplied with li-ion battery charger



4950-1

Code	Range	Resolution	Accuracy	Repeatability	Response time	Weight
4950-1	±5mm/m (±0.286°)	0.01mm/m (0.001°)	±(1+A×2%)Δ*	0.01mm/m	<3s	1.1kg

\*A is the measured value, Δ is the resolution

## BLOCK LEVELS

**INSIZE PLUS**  
MADE IN EUROPE

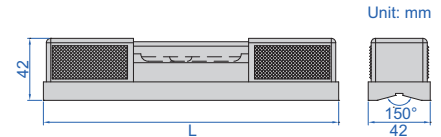
- No need to set zero before use
- V-groove on bottom for shafts (shafts dia. 19.3~115.9mm)
- With longitudinal vial



4905-200

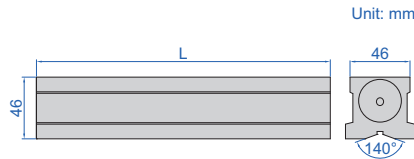
NO NEED TO SET ZERO BEFORE USE

Code		Size (L)
Sensitivity 0.02mm/m (=0.001°)	Sensitivity 0.1mm/m (=0.0057°)	
4905-160	4905-B160	160mm
4905-200	4905-B200	200mm
4905-300	4905-B300	300mm
4905-500	4905-B500	500mm



## BLOCK LEVELS

- V-groove on bottom for shafts (shafts dia. 15~68mm)
- With transverse vial



Code		Length (L)
Sensitivity 0.02mm/m (=0.001°)	Sensitivity 0.05mm/m (=0.0029°)	
4903-150A	4903-C150	150mm
4903-200A	4903-C200	200mm
4903-300A	4903-C300	300mm



4903-200A

POPULAR MODEL



## SHORT LEVEL

**INSIZE PLUS**  
MADE IN EUROPE

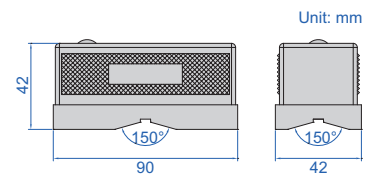
- No need to set zero before use
- Suitable for small spaces like crankshaft
- Longitudinal and transverse V-grooves on bottom for shafts (shafts dia. 19.3~115.9mm)
- With transverse vial



4907-90

NO NEED TO SET ZERO BEFORE USE

Code	Length	Sensitivity
4907-90	90mm	0.1mm/m (=0.0057°)



## MINI LEVEL

**INSIZE PLUS**  
MADE IN EUROPE

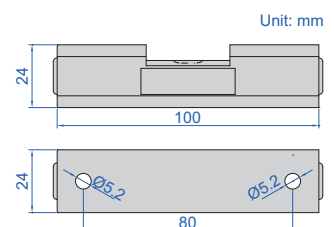
- No need to set zero before use
- With mounting holes (for M5 screws)



4908-100

NO NEED TO SET ZERO BEFORE USE

Code	Length	Sensitivity
4908-100	100mm	0.1mm/m (=0.0057°)





**IP54**  
WATERPROOF

AUDIBLE AND VISUAL  
ALARM WHEN OUT OF  $\pm 3^\circ$

## CROSS-LINE LASER LEVEL CODE 4917-30

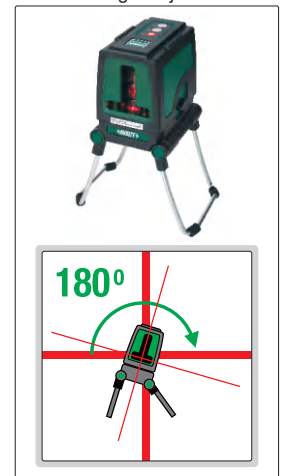
- Red horizontal and vertical cross laser lines
- Self-leveling within  $\pm 3^\circ$ , self-leveling time within 4s, audible and visual alarm when out of  $\pm 3^\circ$
- Folding legs for angle and height adjustment
- Outdoor use with the detector (code: 4917-DETECTOR)



application examples



folding legs for angle  
and height adjustment



### SPECIFICATION

Laser line width	2 $\pm$ 0.5mm (within 5m)
Laser type	630~660nm, class II, <1mW
Beam angle	120 $\pm$ 0.5 $^\circ$
Self-leveling range	$\pm 3^\circ$
Working distance	indoor: 30m, outdoor: 50m with detector (optional)
Accuracy	0.2mm/m
Operation temperature	-10~40 $^\circ$ C
Power supply	3 $\times$ AA batteries, for 3 hours working
Dimension	100 $\times$ 82 $\times$ 104mm
Weight	620g



stand  
(included with outdoor detector)

### OUTDOOR DETECTOR (OPTIONAL)

Detecting distance	horizontal 1~50m, vertical 1~30m
Detecting accuracy *	high accuracy $\pm 1.5$ mm, low accuracy $\pm 2.5$ mm
Power supply	9V battery
Dimension	168 $\times$ 58 $\times$ 30mm
Weight	140g (battery included)

\* Use high accuracy detection mode within 15m,  
use low accuracy detection mode over 15m



outdoor detector (optional)

### STANDARD DELIVERY

Main unit	1 pc
1/4" to 5/8" tripod adaptor	1 pc
Battery (AA)	3 pcs

### OPTIONAL ACCESSORY

Outdoor detector	4917-DETECTOR
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