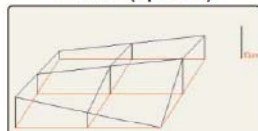


## ELECTRONIC LEVEL CODE ISE-L051

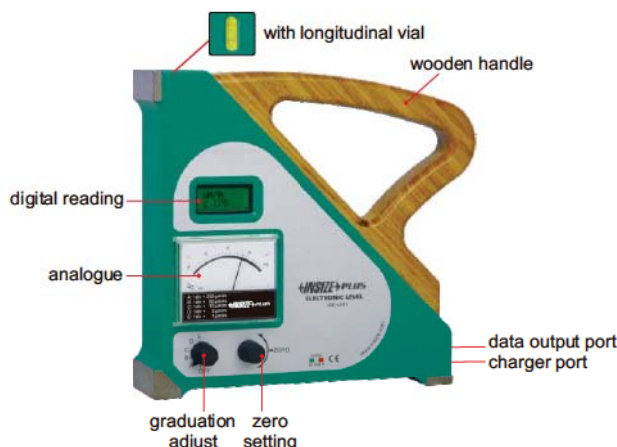
**INSIZE PLUS**  
MADE IN ITALY

software (optional)



measure flatness of surface plates

- Shockproof
- Analogue and digital reading modes

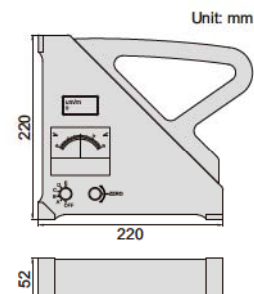


DATA  
OUTPUT

SHOCK  
PROOF



INSPECTION  
CERTIFICATE



### SPECIFICATION

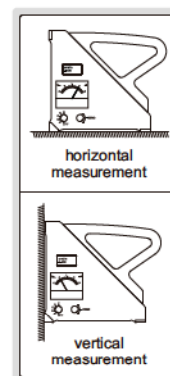
Graduation of analogue reading	250µm/m(=0.014°)	50µm/m(=10")	10µm/m(=2")	5µm/m(=1")	1µm/m(=0.2")
Range of analogue reading	5000µm/m	1000µm/m	200µm/m	100µm/m	20µm/m
Resolution of digital reading	1µm/m(=0.2")				
Range of digital reading	5000µm/m				
Accuracy	±2%				
Range of zero setting	±1500µm/m				
Response time	<3 sec				
Data output	RS232				
Power supply	rechargeable battery, for 100 hours working				
Dimension	220x220x52mm				
Weight	4.4kg				

### STANDARD DELIVERY

Main unit	1pc
AC/DC adapter	1pc

### OPTIONAL ACCESSORY

USB Cable and software	ISE-L050-SOFTWARE
------------------------	-------------------



## ELECTRONIC LEVEL CODE ISE-L050

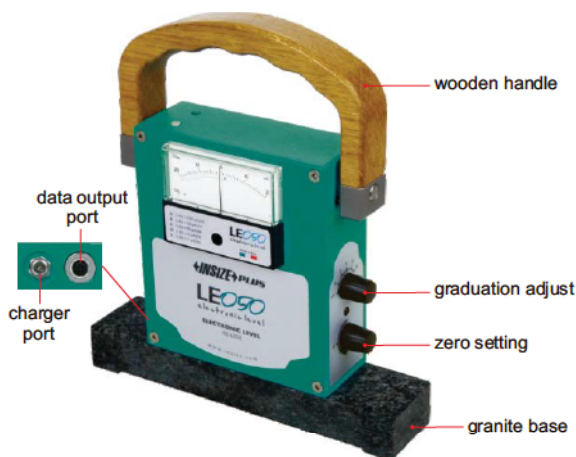
**INSIZE PLUS**  
MADE IN ITALY

software (optional)



measure flatness of surface plates

- Shockproof

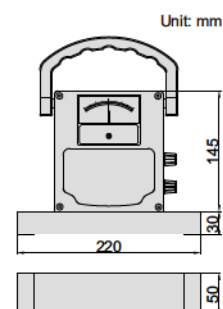


DATA  
OUTPUT

SHOCK  
PROOF



INSPECTION  
CERTIFICATE



### SPECIFICATION

Graduation (adjustable)	250µm/m(=0.014°)	50µm/m(=10")	10µm/m(=2")	5µm/m(=1")	1µm/m(=0.2")
Range	5000µm/m	1000µm/m	200µm/m	100µm/m	20µm/m
Accuracy	±2%				
Range of zero setting	±1500µm/m				
Response time	<3 sec				
Data output	RS232				
Power supply	rechargeable battery, for 100 hours working				
Dimension	220x236x50mm				
Weight	2.8kg				

### STANDARD DELIVERY

Main unit	1pc
AC/DC adapter	1pc

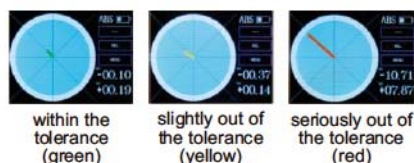
### OPTIONAL ACCESSORY

USB Cable and software	ISE-L050-SOFTWARE
------------------------	-------------------



## DIGITAL LEVEL CODE ISE-2DT

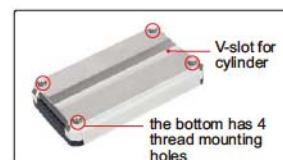
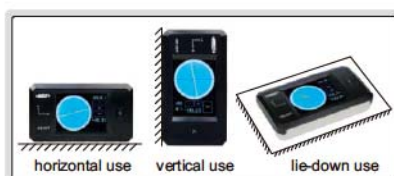
- Color LCD, touch panel
- X-Y axis measurement
- Set the tolerance and the display is shown in different colors



- To show the incline with line or bubble



DATA OUTPUT



### SPECIFICATION

Measuring range	$\pm 30^\circ$
Resolution	0.01°, 0.1mm/m
Accuracy	$\pm 0.03^\circ$ (range 0~3°), $\pm 0.05^\circ$ (range >3°)
Power supply	rechargeable battery
Dimension	115×66×23mm
Weight	224g

### STANDARD DELIVERY

Main unit	1pc
USB cable	1pc

### OPTIONAL ACCESSORY

Software	ISE-2DT-SOFTWARE
----------	------------------

IP67  
WATERPROOF

ABSOLUTE  
LEVEL

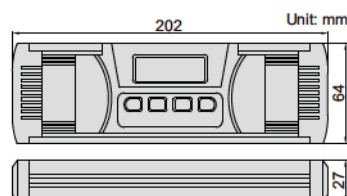
BACKLIGHT

BUZZER ALARM  
AT 0° AND 90°

## DIGITAL LEVEL AND PROTRACTOR

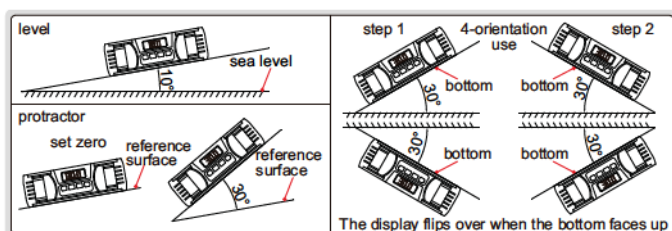


2175-360



- IP67 dust/waterproof
- Aluminum frame, shock absorbing rubber end caps
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, backlight/buzzer alarm, absolute and incremental measurement, unit (mm/m, %, °), HOLD (keep the reading)
- Three AAA batteries
- Automatic power off

Code	Range	Resolution	Accuracy
2175-360	0-360° (90°x4)	0.05° (=0.873mm/m)	0°: $\pm 0.05^\circ$ ; others: $\pm 0.1^\circ$



## DIGITAL LEVEL AND PROTRACTOR

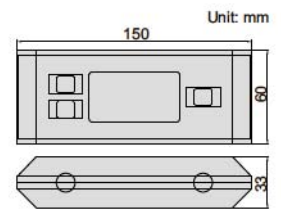
IP54  
WATERPROOFABSOLUTE  
LEVEL

BACKLIGHT

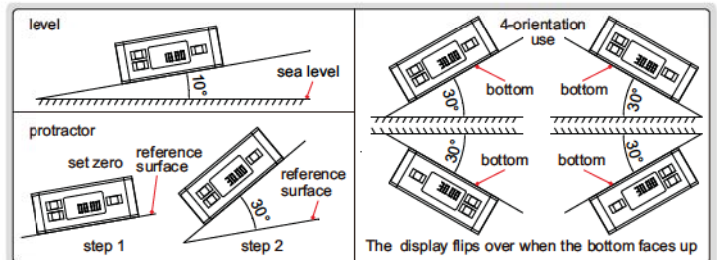
BUZZER ALARM  
AT 0° AND 90°

2179-360

- IP54 dust/waterproof
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft), backlight
- Two AAA batteries
- Automatic power off



Code	Range	Resolution	Accuracy
2179-360	0-360° (90°x4)	0.05° (=0.873mm/m)	0° and 90°: $\pm 0.1^\circ$ ; others: $\pm 0.2^\circ$



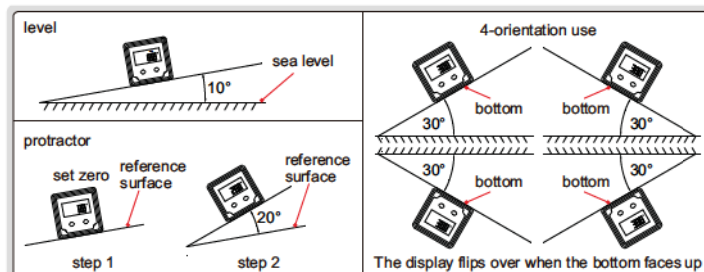
## DIGITAL LEVEL AND PROTRACTOR



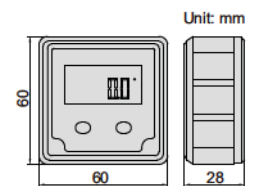
BACKLIGHT

ABSOLUTE  
LEVELMAGNETIC  
BOTTOMDISPLAY FLIPS OVER WHEN  
THE BOTTOM FACES UP

- 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 minutes 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



2170-1

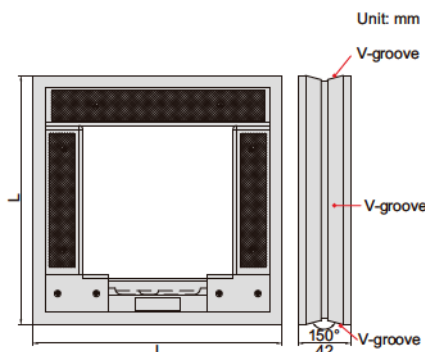


Code	Range	Resolution	Accuracy
2170-1	4x90°	0.1° (=1.745mm/m)	at 0° and 90°: $\pm 0.1^\circ$ ; others: $\pm 0.2^\circ$

## FRAME LEVELS

INSIZE PLUS  
MADE IN GERMANY

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



4906-200

Code		Size (LxL)
Sensitivity 0.02mm/m (=0.001°)	Sensitivity 0.1mm/m (=0.0057°)	
4906-150	4906-B150	150x150mm
4906-200	4906-B200	200x200mm
4906-300	4906-B300	300x300mm

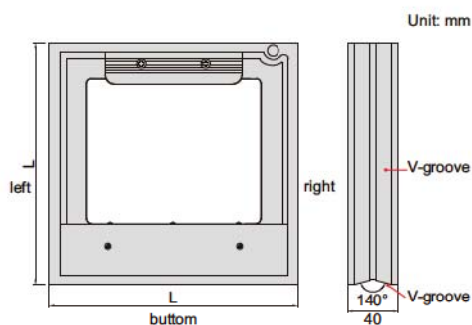


## FRAME LEVELS

ATTENTION:  
BASIC MODEL



- V-groove on bottom and left for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench



4902-200

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

## BLOCK LEVELS

NO NEED TO SET  
ZERO BEFORE USE

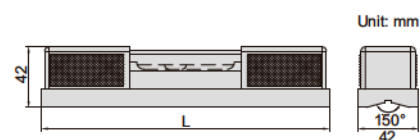
INSIZE PLUS  
MADE IN GERMANY

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



4905-200

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

ATTENTION:  
BASIC MODEL

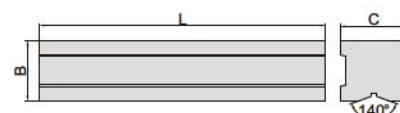


- V-groove on bottom for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench



4903-200A

Code		(mm)		
Sensitivity 0.02mm/m (=0.001°)	Sensitivity 0.05mm/m (=0.0029°)	Length (L)	B	C
4903-150A	4903-C150	150mm	40	45
4903-200A	4903-C200	200mm	42	47
4903-300A	4903-C300	300mm	45	50



## SHORT LEVEL

**INSIZE PLUS**  
MADE IN GERMANY

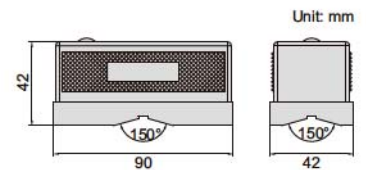
- No need to set zero before use
- Suitable for small spaces like crankshaft
- Longitudinal and transverse V-grooves on bottom for shafts (shafts dia. 19.3~115.9mm)
- With transverse vial

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



4907-90

NO NEED TO SET  
ZERO BEFORE USE



## MINI LEVEL

**INSIZE PLUS**  
MADE IN GERMANY

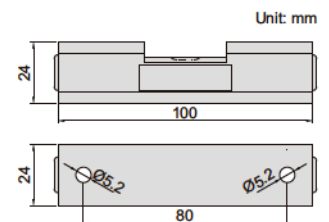
- No need to set zero before use
- With mounting holes (for M5 screws)

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



4908-100

NO NEED TO SET  
ZERO BEFORE USE



## MACHINISTS' LEVELS

- With transverse and longitudinal vials
- V-groove on bottom for shafts (shafts dia. 15-60mm for 4904-150, and 15-70mm for 4904-200/300)
- Supplied with adjust wrench

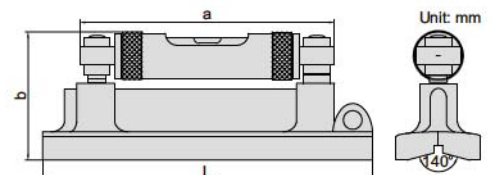


4904-200

rotate cover to protect vials



Code	Sensitivity	Size (L)	a (mm)	b (mm)
4904-150	0.3mm/m(=0.017°)	150mm	150	58
4904-200	0.3mm/m(=0.017°)	200mm	135	73
4904-300	0.3mm/m(=0.017°)	300mm	216	73



## DIGITAL LEVEL

ABSOLUTE  
LEVEL

BACKLIGHT

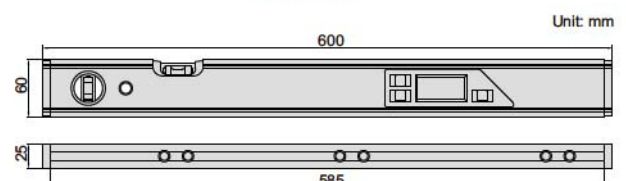
BUZZER ALARM  
AT 0° AND 90°

- With transverse and longitudinal vials
- Used as level and protractor
- Aluminum frame
- Magnetic bottom
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft) conversion, backlight
- The display flips over when the bottom faces up
- Two AAA batteries
- Automatic power off

Code	Range	Resolution	Accuracy
4910-600	0-360° (90°x4)	0.1° (=1.745mm/m)	0° and 90°: ±0.1°; others: ±0.2°



4910-600



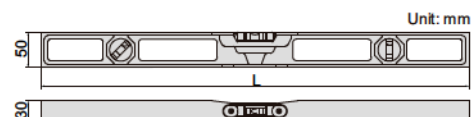
## ALUMINUM ALLOY LEVELS

- Die casting aluminum alloy frame
- With three vials: 180°, 90° and 45°
- Zero position of vial 180° can be set



4911-600

Code	Length (L)	Accuracy
4911-400	400mm	0.75mm/m
4911-600	600mm	0.75mm/m
4911-800	800mm	0.75mm/m



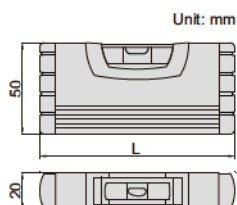
## PORTABLE LEVEL



4912-100

- Shockproof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C ~ 55°C

Code	Size (L)	Accuracy
4912-100	100mm	0.5mm/m (.006in/ft)



MAGNETIC BASE

VIALS MADE IN ISRAEL  
LIFETIME WARRANTY

packaging



## CAST ALUMINUM LEVEL

VIALS MADE IN ISRAEL  
LIFETIME WARRANTY

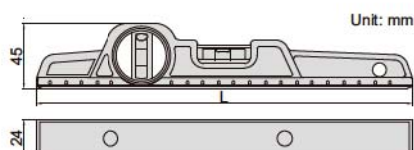
MAGNETIC BASE



4913-250

- Shockproof horizontal and vertical vials
- Magnetic base
- Working temperature: -15°C~55°C
- Cast aluminum body

Code	Size (L)	Accuracy
4913-250	250mm	0.5mm/m (.006in/ft)



packaging





## ALUMINUM LEVELS

MAGNETIC BASE

VIALS MADE IN ISRAEL  
LIFETIME WARRANTY

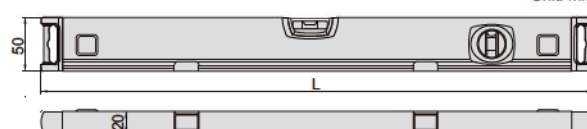
- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



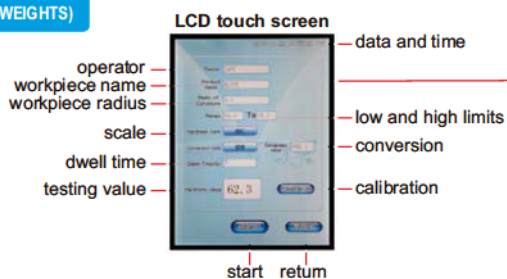
4914-600

Unit: mm

Code	Size (L)	Accuracy
4914-600	600mm	0.5mm/m (.006in/ft)
4914-800	800mm	0.5mm/m (.006in/ft)
4914-1000	1000mm	0.5mm/m (.006in/ft)
4914-1200	1200mm	0.5mm/m (.006in/ft)

AUTOMATIC DIGITAL ROCKWELL HARDNESS TESTER  
CODE ISH-RSR400INSPECTION  
CERTIFICATEFORCE LOADING BY ELECTRIC  
MOTOR (WITHOUT WEIGHTS)DATA  
OUTPUT

VIDEO

for cylinders with  
diameter Ø4~60mmfor cylinders with  
diameter Ø2~4mm

- Automatic testing, the preliminary and main test force is loaded automatically
- LCD touch screen, easy operation
- Convert to other Rockwell scales, HV or HB automatically
- Low and high limits
- Insert USB flash disk, save the testing results as Excel
- Self-correcting the hardness value for curved workpiece
- Force loading by electric motor (without weights)
- The test force is selected automatically according to hardness scale

## SPECIFICATION

Hardness scale	HRA, HRB, HRC, HRD HRF, HRG (with standard indenters) HRE, HRH, HRK, HRL, HRM, HRP HRR, HRS, HRV (with optional indenter)
Preliminary test force	98N
Test force	588N, 980N, 1471N
Stage elevation	manual
Load control	automatic (load/dwell/unload)
Load dwell time	0~60 second
Resolution	0.1HR
Output	USB
Max. workpiece height	220mm
Max. workpiece depth	200mm (from the center of indenter)
Power supply	220V, 50/60Hz **
Dimension	510×260×780mm
Weight	70kg

\*\* Add "-U" on code No. when power supply is 110V, 50/60Hz

## STANDARD DELIVERY

Main unit	1pc
Ø63mm flat anvil	1pc
Ø150mm flat anvil	1pc
V-type anvil	1pc
Diamond indenter	1pc
Ø1.5875mm carbide ball indenter	1pc
Hardness test block HRB88~95	1pc
Hardness test block HRC60~65	1pc
Hardness test block HRC20~30	1pc
USB flash disk (8G)	1pc
Level	1pc
Touch pen	1pc
Anti-dust cover	1pc

## OPTIONAL ACCESSORY

Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1
Small V-type anvil	ISH-SMALL ANVIL