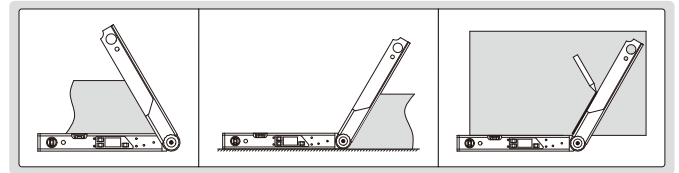| AUTOMATIC BACKLIGHT	ABSOLUTE LEVEL	IP54 WATERPROOF

WATERPROOF DIGITAL PROTRACTOR (HEAVY DUTY)

Unit: mm

longitudinal vial

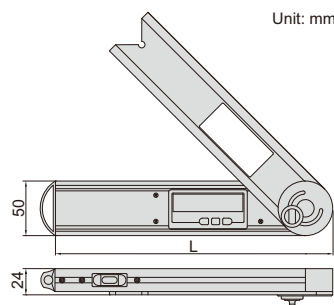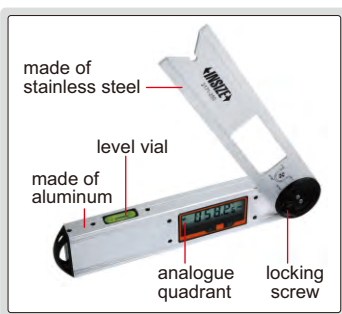transverse vial

60

L

35

made of aluminum
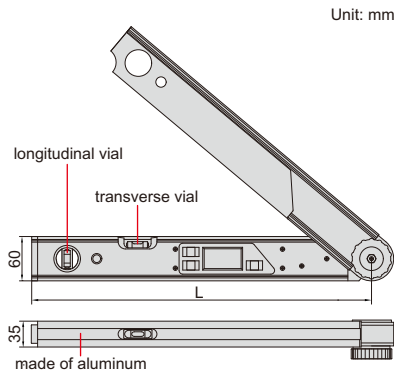
2174-225

- Suitable for setting horizontal and vertical mitre angles of cutting machines
- Buttons: ON/OFF, HOLD/SUP, SPR/CNR/MTR/BVL
- IP54 dust/waterproof
- With transverse and longitudinal vials
- 2xAAA batteries
- Absolute level, zero setting is not needed when batteries are replaced
- Backlight turns off in one minute after reading is stable, automatic power off in 5 minutes

Code	Size (L)	Range	Resolution	Accuracy
2174-225	460mm	0-225°	0.05°	±0.10°

10

DIGITAL PROTRACTOR

made of stainless steel

level vial

made of aluminum

analogue quadrant

locking screw

Unit: mm

50

24

L

2171-250

- Buttons: on/off, hold (keep the reading), zero, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032, automatic power off

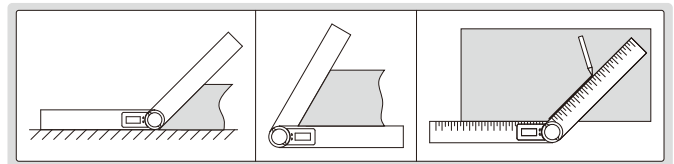| Code	Size (L)	Range	Resolution	Accuracy
2171-250	250mm	0-360°	0.05°	±0.15°

DIGITAL PROTRACTORS

Unit: mm
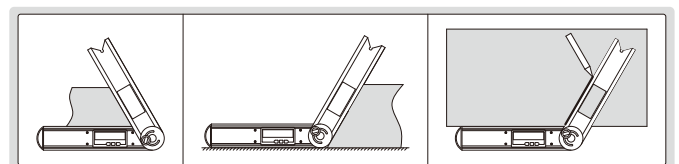
- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- CR2032 battery
- Automatic power off
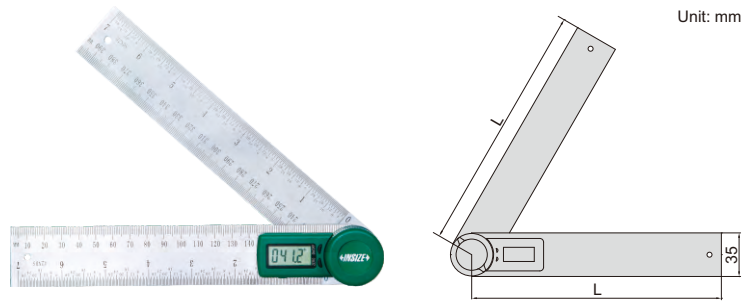
2176-200

Code	Size (L)	Range	Resolution	Accuracy
2176-200	200mm	0-360°	0.1°	±0.3°
2176-300	300mm	0-360°	0.1°	±0.3°

PROTRACTOR (ECONOMIC TYPE)

Unit: mm

- Graduation: 1°
- Made of stainless steel
- With clamping screw

4780-85A

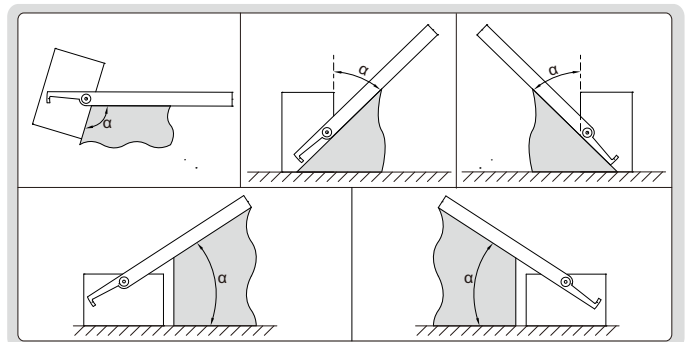| Code	Size	Range	Accuracy
4780-85A	90x154mm	0-180°	±0.5°

PROTRACTOR

Unit: mm
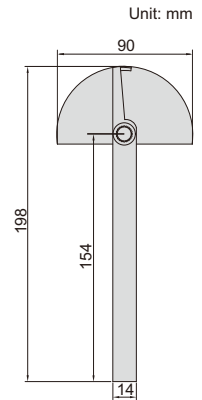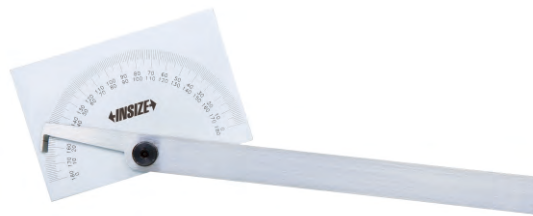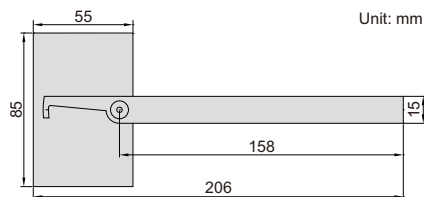
4781-85A

- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

Code	Size	Range	Graduation	Accuracy
4781-85A	85x158mm	0-180°	1°	±0.3°

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DIGITAL PROTRACTORS

the reading can turn over

- Range: 0-180°
- Buttons: on/off, zero, hold/turn
- Made of stainless steel
- With clamping screw

4779-120

Code	Size (AxB)	Resolution	Accuracy	L	C
4779-120	120×150mm	0.05°	±0.3°	221mm	22mm
4779-150	150×200mm	0.05°	±0.3°	286mm	22mm
4779-200	200×300mm	0.05°	±0.3°	409mm	22mm

10

PROTRACTORS

- Graduation: 1°
- Made of stainless steel
  (**4799-1300** is made of carbon steel)
- Satin chrome plated scale
- With clamping screw

4799-180

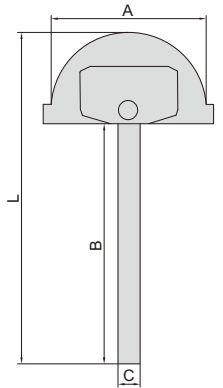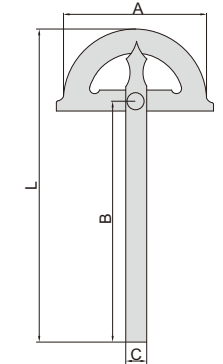| Code	Size (AxB)	Range	Accuracy	L	C
4799-180	80x120mm	0-180°	±0.3°	168mm	11mm
4799-1120	120x150mm	0-180°	±0.3°	220mm	14mm
4799-1150	150x200mm	0-180°	±0.3°	285mm	16mm
4799-1200	200x300mm	0-180°	±0.3°	413mm	20mm
4799-1300	300x500mm	0-180°	±0.3°	675mm	30mm

DIGITAL PROTRACTORS
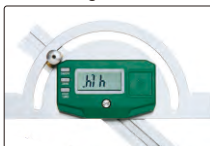
the reading can turn over

- Range: 0-180°
- Buttons: on/off, zero, hold/turn
- Made of stainless steel
- With clamping screw
- The blade is moveable

4778-100

the blade is moveable
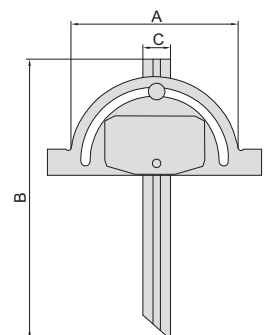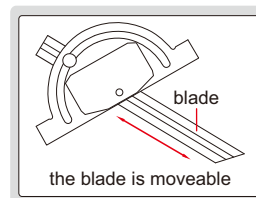
blade

Code	Size (AxB)	Resolution	Accuracy	C
4778-100	126x150mm	0.05°	±0.3°	22mm
4778-150	150x300mm	0.05°	±0.3°	22mm
4778-200	200x400mm	0.05°	±0.3°	24mm

PROTRACTORS

- Graduation: 1°
- Made of carbon steel
- Satin chrome plated
- With clamping screw
- The blade is moveable

4797-100

blade

the blade is moveable
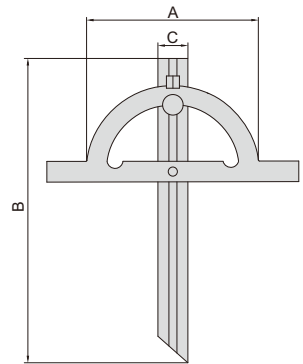
Code	Size (AxB)	Range	Accuracy	C
4797-100	100x150mm	10-170°	±0.3°	18mm
4797-150	150x300mm	10-170°	±0.3°	22mm
4797-200	200x400mm	10-170°	±0.3°	24mm
4797-250	250x500mm	10-170°	±0.3°	28mm
4797-300	300x600mm	10-170°	±0.3°	32mm
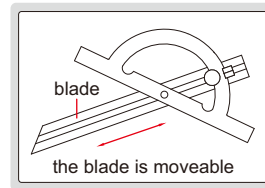
PROTRACTORS

2374-320

2374-320D

positioning block

Unit: mm

124 14 25 10 14 150 45°

- Made of stainless steel
- Satin chrome plated scale

α=0~50°

α=50°~140°

α=140°~230°

α=230°~320°

application of **2374-320D**
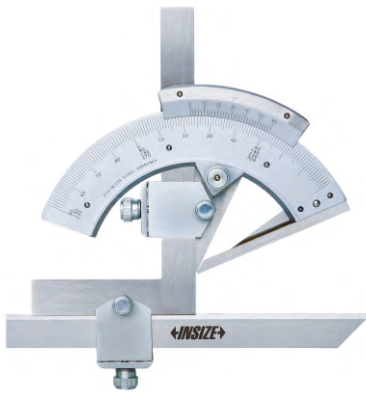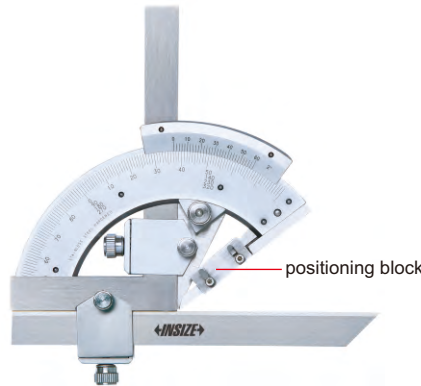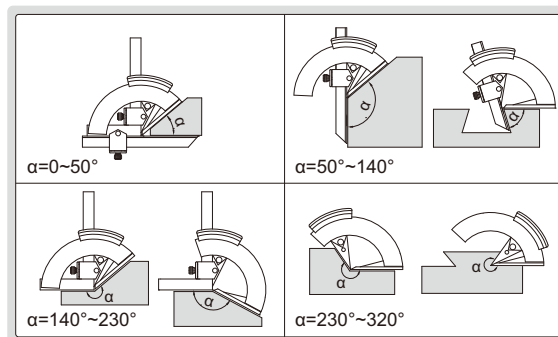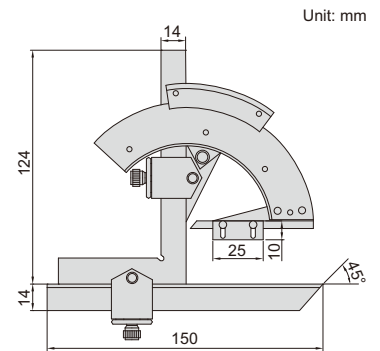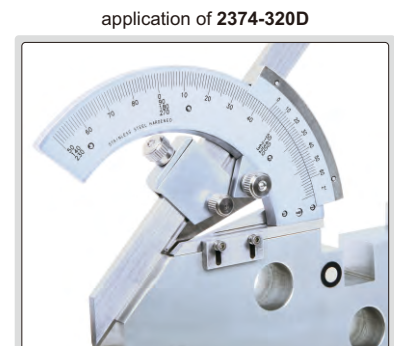
the positioning block can be moved down for positioning, and moved up when not in use

Code	Range	Graduation	Accuracy	Remark
2374-320	0-320°	2'	±2'	without positioning block
2374-320D	0-320°	2'	±2'	with positioning block

UNIVERSAL PROTRACTOR

clamp for height gages (**optional**)

Unit: mm

26
9.5

2372-CLAMP

150mm blade (included)

300mm blade (included)

2372-360

Unit: mm

45°
300
Ø70
18
90°
16
16
60°
fine adjustment
85
16
60°
150
45°
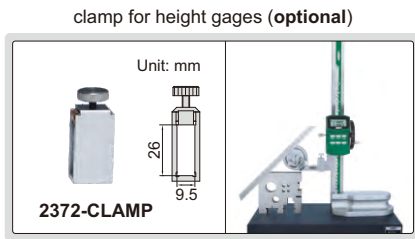
- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (code **2372-CLAMP**), suitable for height gages **1156**, **1150-300**, **1351**, **1250** and **1151**

Code	Range	Graduation	Accuracy
2372-360	0-360°	5'	±5'

10

DIAL PROTRACTOR

150mm blade (included)

300mm blade (included)

clamp for height gages (**optional**)

Unit: mm

26
9.5

2372-CLAMP

2373-360

Unit: mm

45°
300
Ø38
18
90°
16
16
60°
85
16
60°
150
45°

- Made of stainless steel
- Optional accessory: clamp (code **2372-CLAMP**), suitable for height gages **1156**, **1150-300**, **1351**, **1250** and **1151**

Code	Range	Graduation	Accuracy
2373-360	0-360°	5'	±5'

DIGITAL PROTRACTOR

clamp for height gages (**optional**)

Unit: mm

26

9.5

2372-CLAMP

150mm blade (included)

square (included)

300mm blade (included)

2172-360A

- Display in degree (for example 32.655°) and degree/minute/second (for example 32°39'30")
- SET button: preset the reading, change measuring direction
- MODE button: choose 0~90°, 0~180° or 0~360° display
- ZERO/ON/OFF button: zero and power on/off
- Battery CR2032, automatic power off
- Data output
- Supplied with square to set 90°
- Made of stainless steel
- Optional accessory: data output cable (code **7315-50, 7302-SPC3B**), clamp (code **2372-CLAMP**), suitable for height gages **1156**, **1150-300**, **1351**, **1250** and **1151**

Unit: mm

45°

300

18

Ø70

90°

80

15.6

fine adjustment

60°

16

60°

16

150

45°

Code	Range	Resolution	Accuracy
2172-360A	0-360°	10"/0.005°	±5'

DIGITAL PROTRACTOR (BASIC TYPE)

clamp for height gages (**optional**)

Unit: mm

26
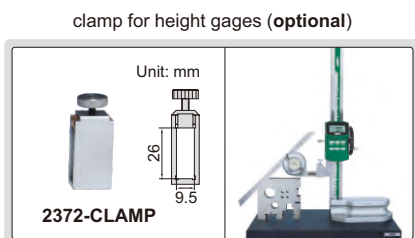
9.5

2372-CLAMP

150mm blade (included)

300mm blade (included)

Unit: mm

45°

300

18

fine adjustment

Ø68

90°

16

fine adjustment

75

2771-360

60°

16

60°

16

150

45°

- Absolute zero, zero setting is not needed when batteries are replaced
- Button function: choose 0~90°, 0-180° or 0-360° display, change resolution, display flips over, data hold, zero, on/off supplementary angle measurement
- Battery CR2032, automatic power off
- Made of stainless steel
- Optional square for zero setting
- Optional accessory: clamp (code **2372-CLAMP**), suitable for height gages **1156**, **1150-300**, **1351**, **1250** and **1151**

square (**optional**)

Square (for zero setting, optional)

Code
2771-S90

Code	Range	Resolution	Accuracy
2771-360	0-360°	1'/0.01°	±5'