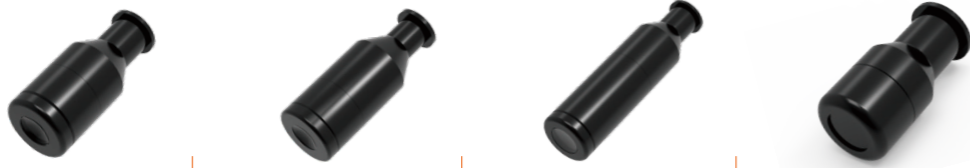


Product parameters

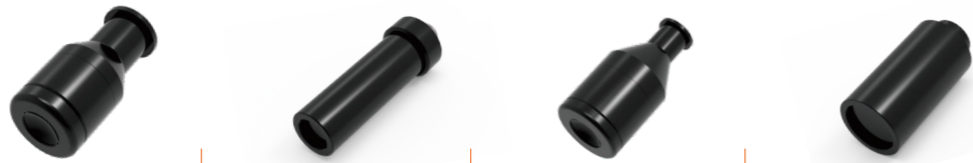
Probe



CE

Sensing distance	8mm	11mm	16mm	18mm
Measuring range	±0.2mm	±1.2mm	±1mm	±1mm
Resolution ^{*1}	0.02 μm	0.05 μm	0.05 μm	0.05 μm
Linearity ^{*2}	±0.15 μm	±0.45 μm	±0.35 μm	±0.3 μm
Spot diameter ^{*3}	2 μm	16 μm	8 μm	25 μm
Maximum inclination ^{*4}	±40°	±60°	±30°	±22°
Probe size	Φ41*99mm	Φ98*266mm	Φ41*159mm	Φ34*75mm
Probe weight	220g	3250g	360g	105g
Degree of protection	IP40	IP40	IP40	IP40
Model NO.	ACC-008L	ACC-011L	ACC-016L	ACC-018L

Probe



CE

Sensing distance	30mm	33mm	40mm	55mm
Measuring range	±2mm	±2mm	±4mm	±3mm
Resolution ^{*1}	0.07 μm	0.2 μm	0.12 μm	0.1 μm
Linearity ^{*2}	±0.45 μm	±2 μm	±0.5 μm	±0.65 μm
Spot diameter ^{*3}	9 μm	40 μm	40 μm	45 μm
Maximum inclination ^{*4}	±15°	±7°	±15°	±11°
Probe size	Φ38*82mm	Φ18*55mm	Φ54*116mm	Φ33*75mm
Probe weight	145g	24g	380g	122g
Degree of protection	IP40	IP40	IP40	IP40
Model NO.	ACC-030L	ACC-033L	ACC-040L	ACC-055L

Controller



CE

Light Source	White LED	
Size of controller(Lxwxh)	140*122*127mm	185*122*127mm
Weight of controller	1.38kg	-
Rated voltage	24V DC	
External communication interface	RS-232:115200 bps(max.) Ethernet:100BASE-TX/10BASE-T	
Degree of protection	IP20	
Sampling frequency	4K HZ(Max)	2K HZ(Max)
I/O function	Pulse input and output, encoder trigger input	
Number of encoder shafts	3-axis, incremental (A/B/Z phase)	
Encoder maximum trigger frequency	4K HZ(Max)	2K HZ(Max)
Fiber extension cord	Inner armor: ACC-OF-S (standard); Outer armor: ACC-OF-M(optional)	
Length	2/5/10(Standard)m	
Weight	ACC-OF-S: 23/40/69g; ACC-OF-M: 108/218/396g	
Minimum bending radius ^{*5}	50mm	
Operating temperature	5~40°C	
Environment humidity	35~80%	
Ambient illumination	<10000lx	
Clamp fixture	Customizable	
Model NO.	ADV-12CK1	ADV-12CK2

AKUSENSE



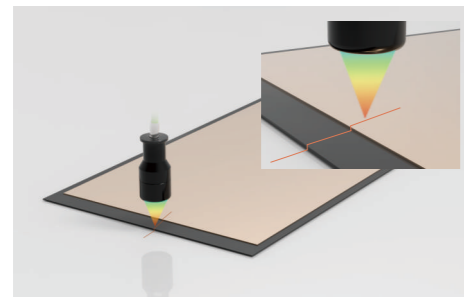
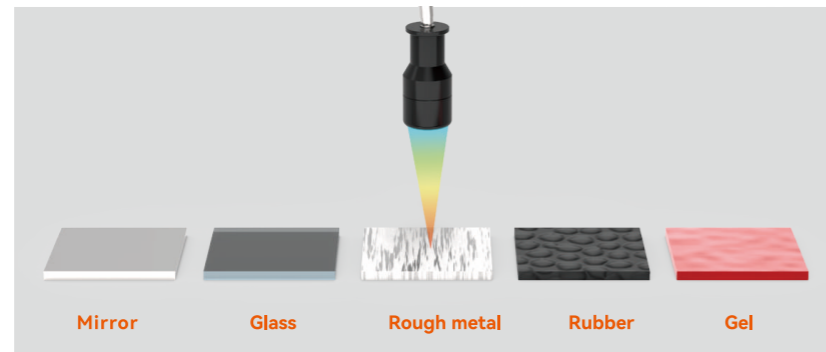
COLOR CONFOCAL DISPLACEMENT SENSOR

- Automatic precision measurement artifact
- Any material can be stable measurement
- Advanced contact optical sensing technology

Product advantages

Stable measurement for any material

Metals, ceramics, mirrors, glass, transparent and non-transparent materials can all be detected

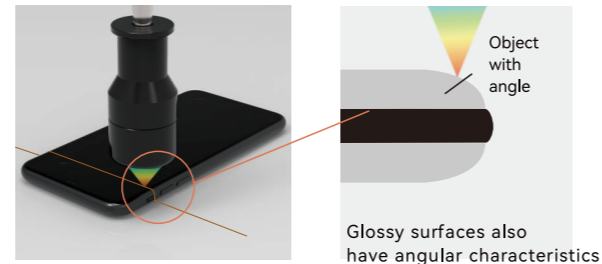


Sub-micron ultra-high measurement accuracy

The maximum resolution is 0.02μm, and the minimum spot size is 2μm, for precise capture of minute details

Tilt angle measurement up to ±60°

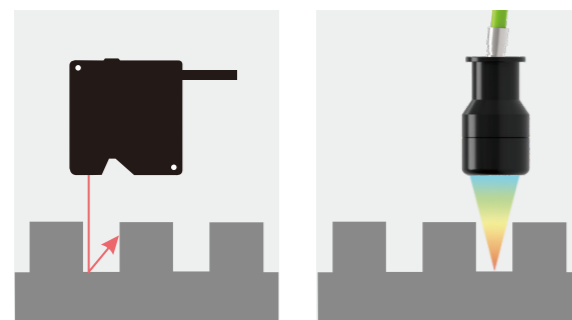
The shape of object with angles can be accurately tracked, almost no impact by the shape.



High precision measurement for any surface condition

Stable detection for rough surfaces, mirrors, curved surfaces, inclined surfaces, pits, section differences, etc.

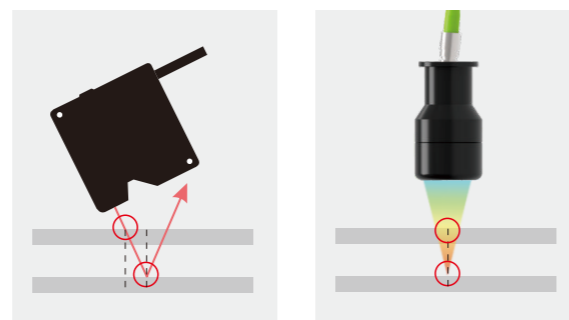
Detection from all directions, even for hollows and segment differences



Traditional laser displacement

ACC Series

Transparent and mirror objects can also be correctly measured



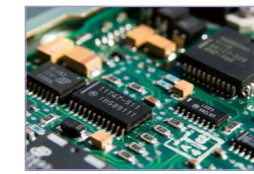
Traditional laser displacement

ACC Series

Application fields



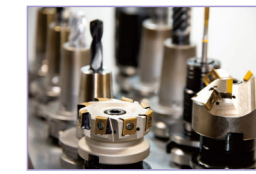
Panel/glass industry



PCB board/IC chip industry



Photovoltaic / semiconductor wafer industries



Metal / precision manufacturing industries



Lithium and other industries



Lens industry

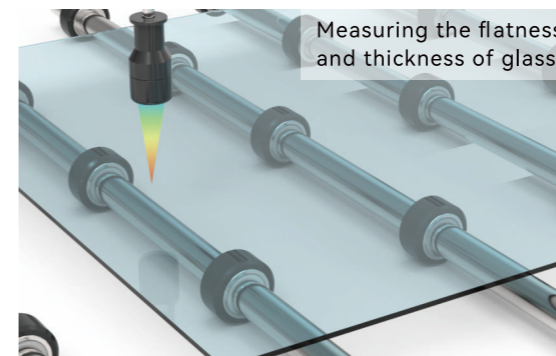


3C electronics and other industries

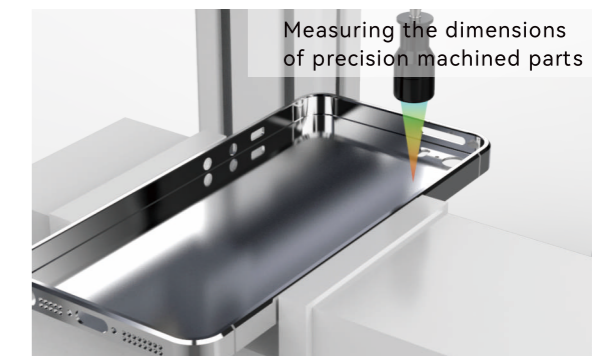


Printing/Ink industry

Applications

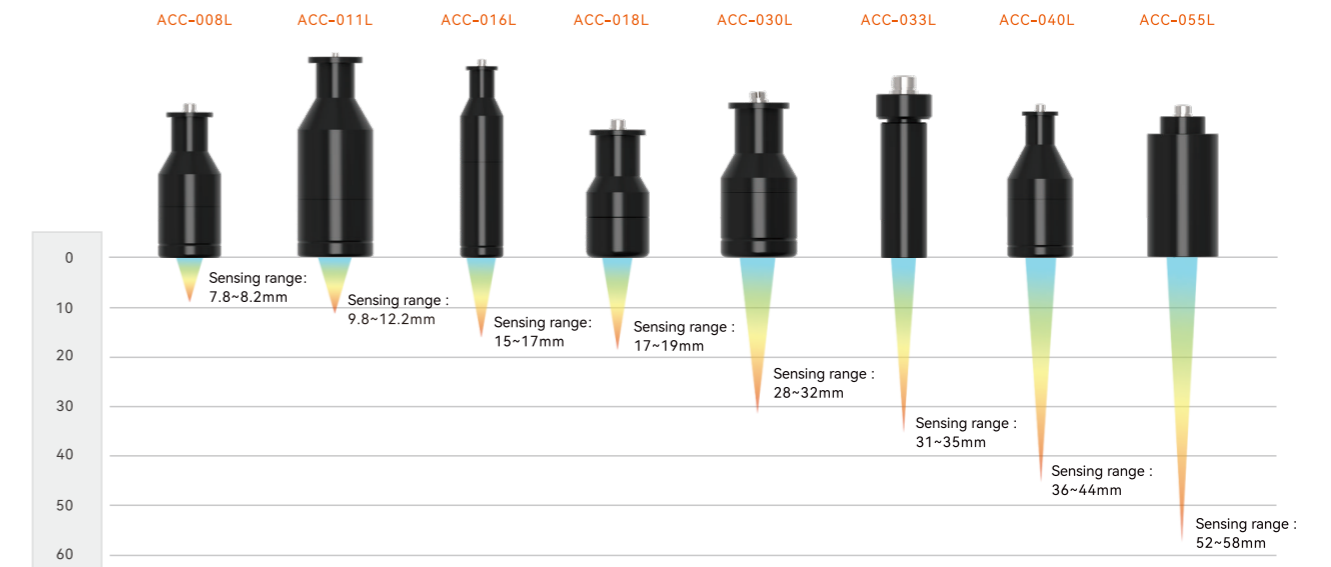


Measuring the flatness and thickness of glass



Measuring the dimensions of precision machined parts

Selection table



Model	ACC-008L	ACC-011L	ACC-016L	ACC-018L	ACC-030L	ACC-033L	ACC-040L	ACC-055L
Resolution	0.02μm	0.05μm	0.05μm	0.05μm	0.07μm	0.2μm	0.12μm	0.1μm
Spot size	2μm	16μm	8μm	25μm	9μm	40μm	40μm	45μm
Max. inclination	±40°	±60°	±30°	±22°	±15°	±7°	±15°	±11°