



World's First 2D Measurement Sensor Makes Inspection Smart and Simple.

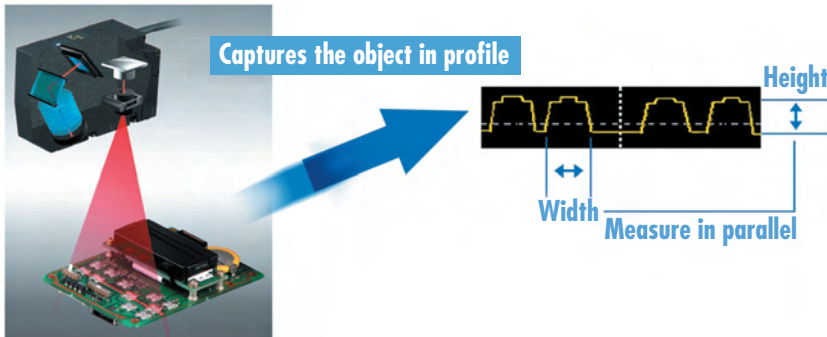
Key Benefits:

- **Easy-to-Use** — "Teach & Go" setup via intuitive user interface
- **Fast** — 5 mS sampling time
- **Accurate** — 0.2 μ m resolution in Z direction
- **Versatile** — 4 measurements using any of the 18 measurement tools
- **Live** — Built-in LCD monitor for setup and immediate profile display
- **Capture Wide Profiles** — Up to 70 mm
- **Optional Software** — Capture, configuration, data logging, and live monitoring via PC



What is a 2D Profile Measuring Sensor?

The ZG Series 2D Profiling Laser Sensor allows entire shapes, including both height and width, to be measured simultaneously via a wide laser beam. It completes the measurement in parallel.



Industry Applications

Automotive

- Body gap inspection
- Width measurement
- Rivet detection
- Position inspection
- Welding/Solder profiles

Semiconductor

- External profile of an IC chip
- Measure PCB substrate warpage
- IC lead position

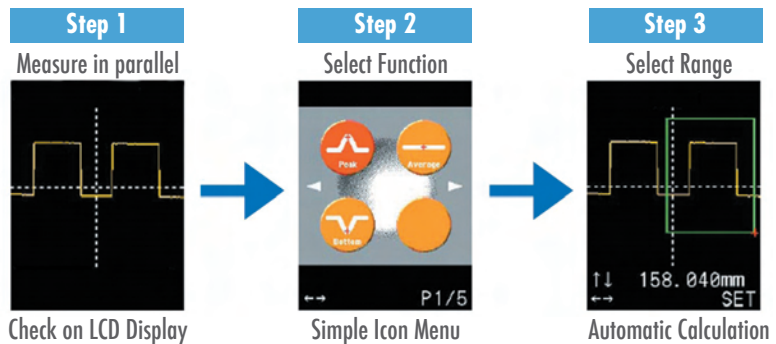
Food/Beverage/ Material Handling

- Shape detection
- Detect imperfections in drinking packs

Simple "Teach and Go" setup

Three easy steps reduce the setup time for inspections using color LCD screen and simple menu.

Built-in LCD, No external monitor required.

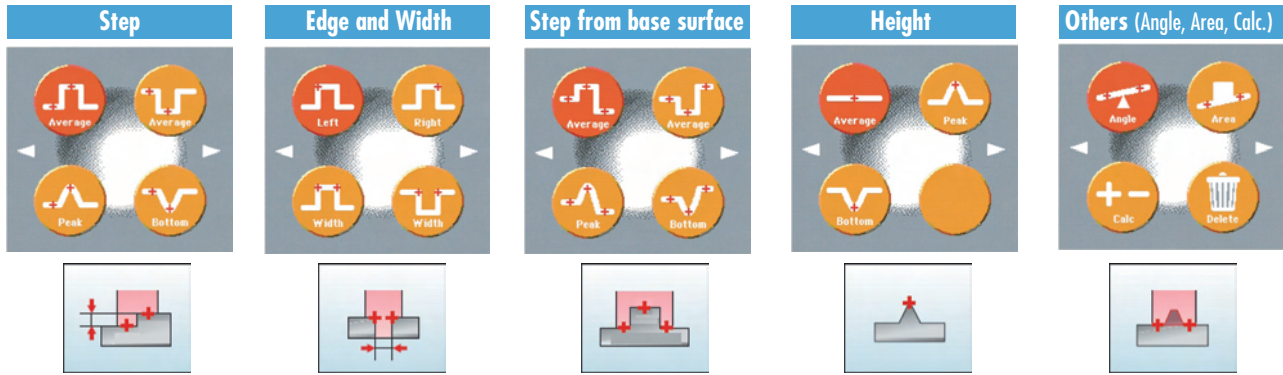


ZG PROFILING SENSOR

Automation...simple...powerful.

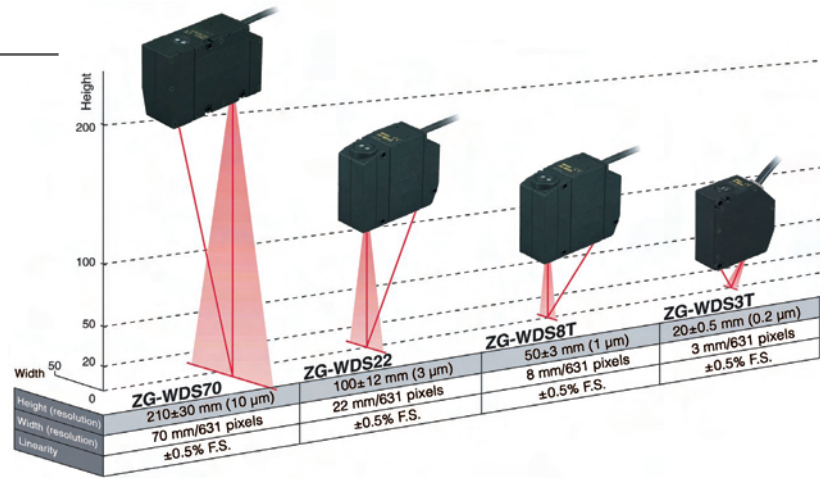
Sold by AA Electric 1-800-237-8274 Lakeland, FL • Lawrenceville, GA • East Rutherford, NJ www.aaelectriconline.com

- Flexible for many advanced profile measurements
- Conduct 4 measurements simultaneously using any of the 18 tools available for each measurement



Sensor Head Selection

Accurate and wide range of Sensor Heads



Ordering Information

Sensing Heads

Sensing Method	Measurement Distance		Resolution		Cable Length	Model Number	List Price
	Height	Width (Typ.)	Height	Width			
Diffuse reflection	210±30 mm	70 mm	10 μm	111 μm	0.5 m	ZG-WDS70 0.5M	\$12,850
	210±30 mm	70 mm	10 μm	111 μm	2 m	ZG-WDS70 2M	\$12,900
Diffuse reflection	100±12 mm	22 mm	3 μm	33 μm	0.5 m	ZG-WDS22 0.5M	\$7,400
	100±12 mm	22 mm	3 μm	33 μm	2 m	ZG-WDS22 2M	\$7,450
Diffuse reflection	50±3 mm	8 mm	1 μm	13 μm	0.5 m	ZG-WDS8T 0.5M	\$8,200
	50±3 mm	8 mm	1 μm	13 μm	2 m	ZG-WDS8T 2M	\$8,250
Regular reflection	20±0.5 mm	3 mm	0.2 μm	5 μm	0.5 m	ZG-WDS3T 0.5M	\$8,950
	20±0.5 mm	3 mm	0.2 μm	5 μm	2 m	ZG-WDS3T 2M	\$9,000

Sensor Controllers

Power Supply	Communication Ports	Output Type	Smart Monitor Software for PC	Model Number	List Price
24 VDC	One each, USB 2.0 Mini B and RS-232C	NPN, 50 mA at 30 VDC	Included	ZG-WDC11A	\$5,250
			No	ZG-WDC11	\$5,000
		PNP, 50 mA at 30 VDC	Included	ZG-WDC41A	\$5,250
			No	ZG-WDC41	\$5,000