

July 4, 2011

Displacement & Measurement Sensors

No. 2011187E

Discontinuation Notice of Profile Measuring Sensor. Z5[] series



Product Discontinuation

Sensor head

Z500-SW[] Series

Z550-SW[] Series

Z510-SW[] Series

Z5FP-SL[] Series

Controller

Z500-MC[] Series

Z550-MC[] Series

Z510-WC[] Series

Z5FP-MC[] Series

Sensor Extension Cable

Z519-SC[] Series

Z309-SC[] Series

Console

Z300-KP Series

ROM Module for Version UP

Z500-PCB[] Series



Recommended Replacement

Sensor head

ZG2-WDS[] Series

No recommended replacement

Controller

ZG2-WDC[] Series

No recommended replacement

Sensor Extension Cable

ZG2-XC[]CR Series

No recommended replacement

No recommended replacement

Discontinuation date : The end of March, 2012

Caution on recommended replacement

the Z510 series and Z5FP series are no recommended replacement .
Z500 series and Z550 series would like to go over the ZG2 series.
Sensor head and controller are not compatible.
Please be change in sets with sensor head and controller.

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
ZG2-WDS8	**	**	-	**	*	*	-
ZG2-WDS22	**	**	-	**	*	*	-
ZG2-WDS70	**	**	-	**	*	*	-
ZG2-WDS3V	**	*	-	--	*	*	-
ZG2-WDC11/11A	*	--	--	--	--	--	--
ZG2-WDC41/41A	*	--	--	--	--	--	--
ZG2-XC[]CR	*	*	*	*	-	-	-

** : Fully compatible

* : The change is a little/Almost compatible

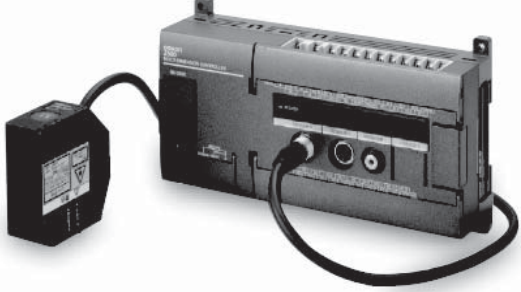


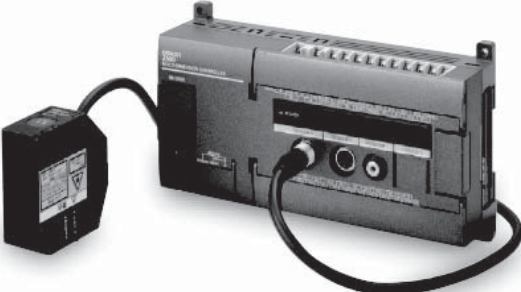
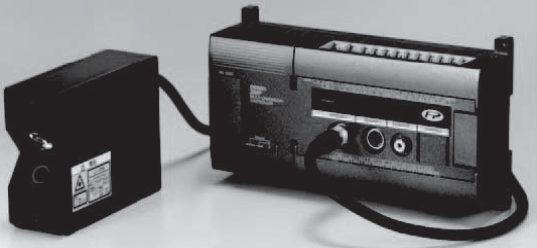
-- : Not compatible

- : No corresponding specification

Product Discontinuation and recommended replacement

Product discontinuation		Recommended replacement	
Model	Product code	Model	Product code
Z500-SW2	Z5007003M	ZG2-WDS3V	ZG21019G
Z500-SW6	Z5007006D	ZG2-WDS8	ZG21005G
Z500-SW17	Z5007001C	ZG2-WDS22	ZG21007C
Z510-SW2	Z5107001G	-	-
Z510-SW2T	Z5107006H	-	-
Z510-SW6	Z5107002E	-	-
Z510-SW17	Z5107003C	-	-
Z550-SW70	Z5501001R	ZG2-WDS70	ZG21009M
Z5FP-SL1	Z5FP1000F	-	-
Z500-MC10	Z5501003E	ZG2-WDC11	ZG21001D
Z500-MC10E	Z5007004H	ZG2-WDC11	ZG21001D
Z510-WC10	Z5107004A	-	-
Z510-WC10E	Z5107007FA	-	-
Z510-WC11	Z5107005M	-	-
Z510-WC15E	Z5107008D	-	-
Z550-MC10(NPN)	Z5501003E	ZG2-WDC11(NPN)	ZG21001D
Z550-MC15(PNP)	Z5501004C	ZG2-WDC41(PNP)	ZG2 1003M
Z5FP-MC10	Z5FP1001D	-	-
Z5FP-MC15	Z5501005A	-	-
Z519-SC1R	Z5197001H	ZG2-XC3CR	ZG2 1011A
Z309-SC1R	Z3091005H	ZG2-XC8CR	ZG2 1012M
		ZG2-XC15CR	ZG2 1013H
Z500-PCBE	Z5007005F	-	-

Body color

Product discontinuation Z5[]series	Recommended replacement ZG2 series
<p data-bbox="185 394 347 427">Z500 series</p>  <p data-bbox="185 757 347 790">Z550 series</p> 	<p data-bbox="828 394 979 427">ZG2 series</p> 
<p data-bbox="185 1178 347 1211">Z510 series</p>  <p data-bbox="185 1552 347 1585">Z5FP series</p> 	<p data-bbox="884 1178 1262 1211">No recommended replacement</p>

Dimensions/ Mounting dimensions

Product discontinuation Z5[][]series	Recommended replacement ZG2 series
<p>Z500-SW2</p> <p style="text-align: right;">(Unit : mm)</p>	<p>ZG2-WDS3V</p> <p style="text-align: right;">(Unit : mm)</p> <p style="text-align: center;">Mounting Hole Dimensions</p>
<p>Z500-SW6</p> <p style="text-align: right;">(Unit : mm)</p>	<p>ZG2-WDS8</p> <p style="text-align: right;">(Unit : mm)</p> <p style="text-align: center;">Mounting Hole Dimensions</p> <p style="font-size: small;"> ※ZG2-WDS8T L=50, A=30° ZG2-WDS22 L=100, A=25° </p>

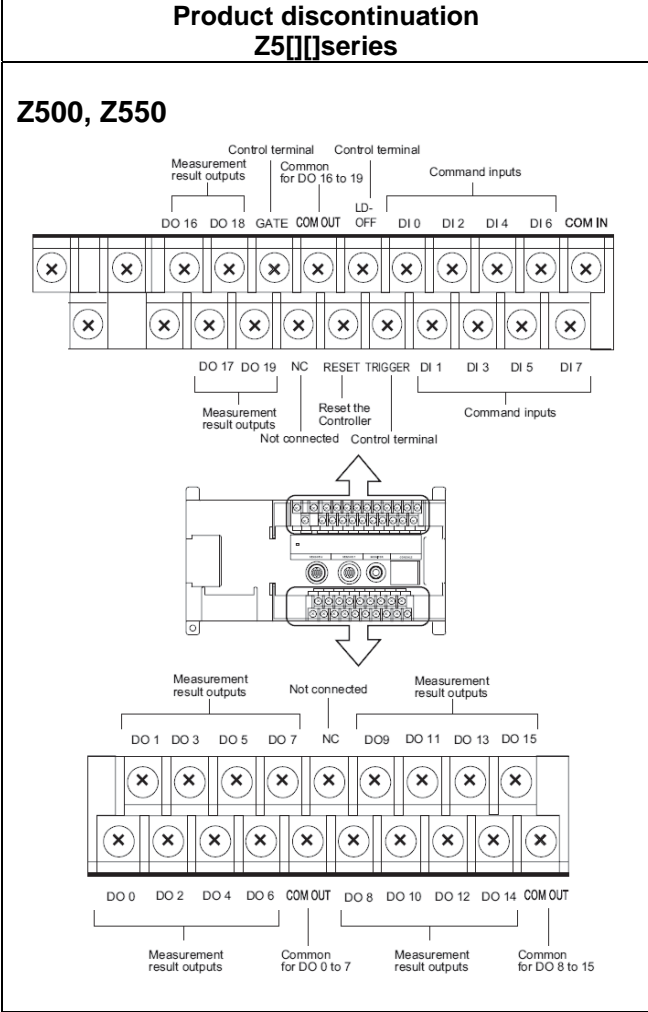
Dimensions/ Mounting dimensions

<p>Product discontinuation Z5[] series</p>	<p>Recommended replacement ZG2 series</p>
<p>Z500-SW17</p> <p>Vinyl-insulated round cable 6.8 dia. Standard length: 2 m</p>	<p>ZG2-WDS22</p> <p>Vinyl-insulated round cable 6.8 dia. standard length : 2 m, 0.5 m</p> <p>Mounting Hole Dimensions</p> <p>*ZG2-WDS8T L=50, A=30° ZG2-WDS22 L=100, A=25°</p>
<p>Z550-SW70</p> <p>Vinyl-insulated round cable 6.8 dia. Standard length 0.5 m</p>	<p>ZG2-WDS70</p> <p>Vinyl-insulated round cable 6.8 dia. standard length : 2 m, 0.5 m</p>
<p>Z510-SW2[] Z510-SW6 Z510-SW17 Z5FP-SL1</p>	<p>No recommended replacement</p>

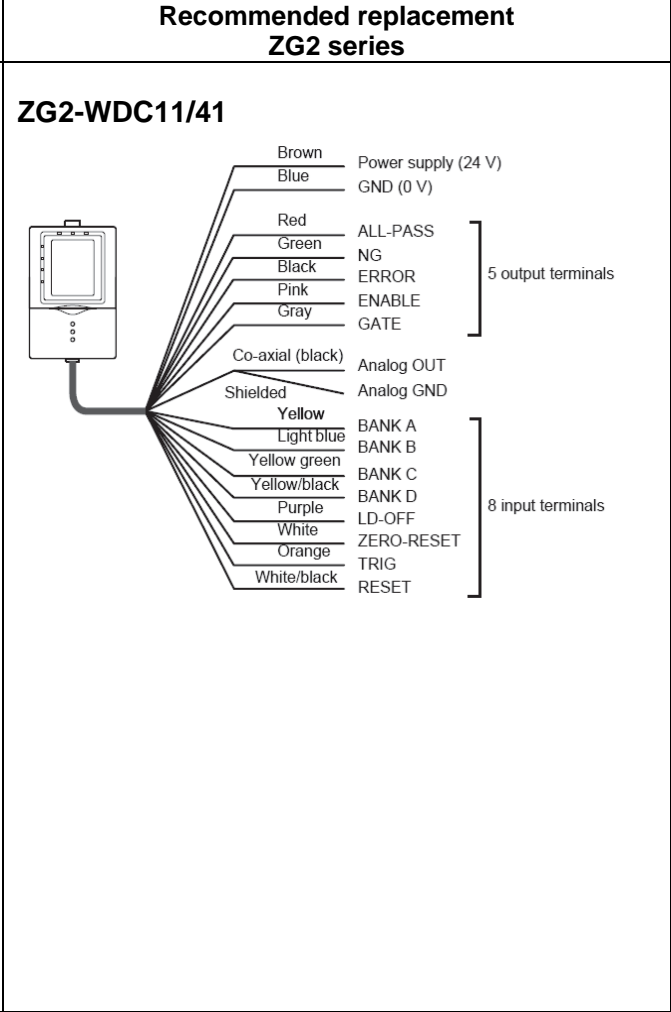
Dimensions/ Mounting dimensions

Product discontinuation Z5[] series	Recommended replacement ZG2 series
<p>Z500-MC10</p>	<p>ZG2-WDC11/41</p>
<p>Z550-MC10/15</p> <p>(Unit: mm)</p>	

Wire Connection



**Z510-WC10[]
Z5FP-MC1[]**



No recommended replacement

Characteristics

model		Sensor Z500-SW2		Sensor ZG2-WDS3V	
Item					
Optical system		Diffuse reflection	Mirror reflection	Diffuse reflection	Mirror reflection
Measurement center distance (height direction)		5.2mm	20mm	10.6 mm	22.3 mm
Measurement range		±0.8 mm		±0.4 mm	±0.5 mm
Resolution	Height direction	0.25 μm (See notes 5 and 6)		0.25 μm	
	Width direction	126 pix		5μm (3 mm / 631 pix)	
Linearity (height direction)		±0.1 %F.S.	±0.1 %F.S.	±0.1 %F.S.	
Temperature characteristics		0.01 %F.S./°C		0.08 %F.S./°C	
Light source	Type	Visible-light semiconductor laser		Visible semiconductor laser	
	Wavelength	650 nm		650 nm	
	Output	1 mW		1 mW	
	Laser class	Class 2		Class 2	
Beam shape (at measurement center distance)		20 μm × 4 mm TYP.		25 μm × 4 mm TYP.	
LED indicator		Lit while laser is ON.		LED indicator STAND BY: Turns ON when laser emission is ready (green) LD_ON: Turns ON when laser is emitted (green)	
Environmental performance	Ambient operating illumination	Illumination at light-receiving surface: 3,000 lx max., incandescent light		Illumination on received light surface 7000 lx max. (incandescent light)	
	Ambient temperature	Ambient temperature Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)		Operating: 0 to 50°C Storage: -15 to +60°C (with no icing or condensation)	
	Ambient humidity	Ambient humidity Operating and storage: 35 to 85 % RH (with no condensation)		Operating and storage: 35% to 85%RH (with no condensation)	
	Degree of protection	IEC IP64		IEC IP67	
	Vibration resistance (durability)	Vibration resistance 10 to 150 Hz (single amplitude: 0.35 mm) for 80 min. each in X, Y, and Z directions		10 to 150 Hz (at a single-amplitude of 0.35 mm) for 80 minutes each in the X, Y, and Z directions	
Material		Unit: Die-cast aluminum Cable sheathing: Heat-resistant chlorinated vinyl Connector: zinc alloy and brass		Case: aluminum die-cast, Front cover: glass Cable sheath: heat-resistant PVC, Connector: Zinc alloy and brass	
Cable length		2 m		0.5 m, 2 m (flexible cable)	
Minimum bending radius		68 mm		68 mm	
Weight		Approx. 600 g		Approx. 300 g	
Accessories		3 ferrite cores, laser warning labels (English)		Laser warning labels (English Label), ferrite core (1 p'ce), Instruction Sheet	

Characteristics

model		Sensor Z500-SW6		Sensor ZG2-WDS8	
Item					
Optical system		Diffuse reflection	Mirror reflection	Diffuse reflection	Mirror reflection
Measurement center distance (height direction)		50mm	44mm	50 mm	44 mm
Measurement range		±5 mm	±4 mm	±3 mm	±2 mm
Resolution	Height direction	0.3 μm		1 μm	
	Width direction	126 pix		13μm (8 mm / 631 pix)	
Linearity (height direction)		±0.1 %F.S.		±0.1 %F.S.	
Temperature characteristics		0.01 %F.S./°C		0.03 %F.S./°C	
Light source	Type	Visible-light semiconductor laser		Visible semiconductor laser	
	Wavelength	658 nm		658 nm	
	Output	15 mW		5 mW	
	Laser class	Class 3B		Class 2M	
Beam shape (at measurement center distance)		30 μm × 24 mm TYP.		30 μm × 24 mm TYP.	
LED indicator		Lit while laser is ON.		LED indicator STAND BY: Turns ON when laser emission is ready (green) LD_ON: Turns ON when laser is emitted (green)	
Environmental performance	Ambient operating illumination	Illumination at light-receiving surface: 3,000 lx max., incandescent light		Illumination on received light surface 7000 lx max. (incandescent light)	
	Ambient temperature	Ambient temperature Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)		Operating: 0 to 50°C Storage: -15 to +60°C (with no icing or condensation)	
	Ambient humidity	Ambient humidity Operating and storage: 35 to 85 % RH (with no condensation)		Operating and storage: 35% to 85%RH (with no condensation)	
	Degree of protection	IEC IP66		IEC IP66	
	Vibration resistance (durability)	Vibration resistance 10 to 150 Hz (single amplitude: 0.35 mm) for 80 min. each in X, Y, and Z directions		10 to 150 Hz (at a single-amplitude of 0.35 mm) for 80 minutes each in the X, Y, and Z directions	
Material		Unit: Die-cast aluminum Cable sheathing: Heat-resistant chlorinated vinyl Connector: zinc alloy and brass		Case: aluminum die-cast, Front cover: glass Cable sheath: heat-resistant PVC, Connector: Zinc alloy and brass	
Cable length		0.5 m		0.5 m, 2 m (flexible cable)	
Minimum bending radius		68 mm		68 mm	
Weight		Approx. 700 g		Approx. 500 g	
Accessories		3 ferrite cores, laser warning labels (English)		Laser warning labels (English Label), ferrite core (1 p'ce), Instruction Sheet	

Characteristics

model		Sensor Z500-SW17		Sensor ZG2-WDS22	
Item					
Optical system		Diffuse reflection	Mirror reflection	Diffuse reflection	Mirror reflection
Measurement center distance (height direction)		100 mm	94 mm	100 mm	94 mm
Measurement range		±20 mm	±16 mm	±12 mm	±10 mm
Resolution	Height direction	1 μm		2.5 μm	
	Width direction	126 pix		35μm (22 mm / 631 pix)	
Linearity (height direction)		±0.1 %F.S.		±0.1 %F.S.	
Temperature characteristics		0.01 %F.S./°C		0.02 %F.S./°C	
Light source	Type	Visible-light semiconductor laser		Visible semiconductor laser	
	Wavelength	658 nm		658 nm	
	Output	15 mW		5 mW	
	Laser class	Class 3B		Class 2M	
Beam shape (at measurement center distance)		60 μm × 45 mm TYP.		60 μm × 45 mm TYP.	
LED indicator		Lit while laser is ON.		LED indicator STAND BY: Turns ON when laser emission is ready (green) LD_ON: Turns ON when laser is emitted (green)	
Environmental performance	Ambient operating illumination	Illumination at light-receiving surface: 3,000 lx max., incandescent light		Illumination on received light surface 7000 lx max. (incandescent light)	
	Ambient temperature	Ambient temperature Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)		Operating: 0 to 50°C Storage: -15 to +60°C (with no icing or condensation)	
	Ambient humidity	Ambient humidity Operating and storage: 35 to 85 % RH (with no condensation)		Operating and storage: 35% to 85%RH (with no condensation)	
	Degree of protection	IEC IP66		IEC IP66	
	Vibration resistance (durability)	Vibration resistance 10 to 150 Hz (single amplitude: 0.35 mm) for 80 min. each in X, Y, and Z directions		10 to 150 Hz (at a single-amplitude of 0.35 mm) for 80 minutes each in the X, Y, and Z directions	
Material		Unit: Die-cast aluminum Cable sheathing: Heat-resistant chlorinated vinyl Connector: zinc alloy and brass		Case: aluminum die-cast, Front cover: glass Cable sheath: heat-resistant PVC, Connector: Zinc alloy and brass	
Cable length		2 m		0.5 m, 2 m (flexible cable)	
Minimum bending radius		68 mm		68 mm	
Weight		Approx. 800 g		Approx. 500 g	
Accessories		3 ferrite cores, laser warning labels (English)		Laser warning labels (English Label), ferrite core (1 pce), Instruction Sheet	

Characteristics

model		Sensor Z550-SW70	Sensor ZG2-WDS70
Item			
Optical system		Diffuse reflection	Diffuse reflection
Measurement center distance (height direction)		210 mm	210 mm
Measurement range	Height direction	±30 mm	±48 mm
	Width direction	70 mm	70 mm typ.
Resolution	Height direction	10 μm	6 μm
	Width direction	0.1 mm	111 μm
Linearity (height direction)		±0.5%F.S.	±0.1 %F.S.
Temperature characteristics		0.01 %F.S./°C	0.02 %F.S./°C
Light source	Type	Visible semiconductor laser	Visible semiconductor laser
	Wavelength	658 nm	658 nm
	Output	15 mW	5 mW
	Laser class	Class 3B	Class 2M
Beam shape (at measurement center distance)		120 μm × 75 mm TYP.	120 μm × 75 mm TYP.
LED indicator		Lit while laser is ON.	LED indicator STAND BY: Turns ON when laser emission is ready (green) LD_ON: Turns ON when laser is emitted (green)
Environmental performance	Ambient operating illumination	Illumination at light-receiving surface: 3,000 lx max., incandescent light	Illumination on received light surface 7000 lx max. (incandescent light)
	Ambient temperature	Ambient temperature Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)	Operating: 0 to 50°C Storage: -15 to +60°C (with no icing or condensation)
	Ambient humidity	Ambient humidity Operating and storage: 35 to 85 % RH (with no condensation)	Operating and storage: 35% to 85%RH (with no condensation)
	Degree of protection	IEC IP66	IEC IP66
	Vibration resistance (durability)	Vibration resistance 10 to 150 Hz (single amplitude: 0.35 mm) for 8 min. each in X, Y, and Z directions	10 to 150 Hz (at a single-amplitude of 0.35 mm) for 80 minutes each in the X, Y, and Z directions
Material		Unit: aluminum die-cast Cable sheathing: Heat-resistant PVC Connector: zinc alloy and brass	Case: aluminum die-cast, Front cover: glass Cable sheath: heat-resistant PVC, Connector: Zinc alloy and brass
Cable length		0.5 m	0.5 m, 2 m (flexible cable)
Minimum bending radius		68 mm	68 mm
Weight		Approx. 550 g	Approx. 650 g
Accessories		CLASS 3B Warning label	Laser warning labels (English Label), ferrite core (1 pce), Instruction Sheet

Characteristics

Item Input/Output Type	Z500-MC10E	Z500-MC15E	ZG2-WDC11/11A	ZG2-WDC41/41A
	NPN	PNP	NPN	PNP
Number of Sensors that can be mounted	2		1	
Number of scenes	16 scene		16 bank	
Light intensity tracking function	Automatic (The light intensity tracking range can be specified)/ Fixed (Select from 31 stages)/ Multiple (The light intensity range can be specified)		MULTI/HS MULTI/AUTO/FIXED	
Measurement item	Select from the following 8 types : Height, Step: 2 pts, Step: 3 pts, Edge position, With, Edge center, Peak/Bottom, Define		Height/2-point step/ 3-point step/Edge position/ Edge width/Angle/	
Results output	Judgment output →RS-232C, Terminal block output Measurement value output →RS-232C, Analog output		Judgment (ALLPASS/NG/ERROR), Analog output Trigger auxiliary output, USB2.0, RS-232C	
Terminal block	11 input points: TRIGGER, LD-OFF, RESET, D10 to D17 21 output points: DO0 to DO19, GATE		I/O signal wire, Serial I/O, Parallel output	
Power supply voltage	21.6 to 26.4 VDC		21.6 to 26.4 VDC	
Current consumption	1 A max. (with 2 Sensors connected)		0.8 A max.	
Insulation resistance	20 MΩ min. between all DC external terminals and GR terminal (100 VDC Megger) (with internal surge absorber removed)		Across all lead wires and Controller case: 20 MΩ (by 250 V DC Megger)	
Dielectric strength	1000 VAC, 50/60 Hz between all DC external terminals and GR terminal (with internal surge absorber removed)		Across all lead wires and Controller case, 1000 V AC, 50/60 Hz, 1 min	
Vibration resistance	10 to 150 Hz (double amplitude: 0.1 mm) for 8 min. each in X, Y, and Z directions		Vibration frequency: 10 to 150 Hz Single-amplitude: 0.35 mm Acceleration: 50 m/s ² 10 times for 8 minutes	
Shock resistance	200 m/s ² , 3 times each in 6 directions		150 m/s ² 3 times each in 6 directions (up/down, left/right, forward/backward)	
Ambient temperature	Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)		Operating: 0 to +50 °C Storage: -15 to +60 °C (with no icing or condensation)	
Ambient humidity	Operating and storage: 35 to 85 %RH (with no condensation)		Operating and storage: 35% to 85%	
Degree of protection	IEC IP20 (in-panel)		IP20 (IEC60529)	
Material	Unit: ABS		Case: Polycarbonate (PC), Cable sheath: heat-resistant PVC Cable length 2 m	
Weight (including packaging)	Approx. 1300 g (Unit: Approx. 700 g)		Approx. 300 g (when packaged: approx. 450 g)	
Accessories	2 manuals, 1 resistor (250 Ω, 1/2 W)		ZG2-WDC_1: ferrite core (large) (1 pcs), Insure Lock (1 pcs), Instruction Sheet ZG2-WDC_1A: ferrite core (large) (1 pcs), ferrite core (small) (2 pcs), Insure Lock (1 pcs), Instruction Sheet, setup software (CD-ROM), USB cable (1m)	

Characteristics

model		Sensor Z550-SW70	Sensor ZG2-WDS70
Item			
Optical system		Diffuse reflection	Diffuse reflection
Measurement center distance (height direction)		210 mm	210 mm
Measurement range	Height direction	±30 mm	±48 mm
	Width direction	70 mm	70 mm typ.
Resolution	Height direction	10 μm	6 μm
	Width direction	0.1 mm	111 μm
Linearity (height direction)		±0.5%F.S.	±0.1 %F.S.
Temperature characteristics		0.1 %F.S./°C	0.02 %F.S./°C
Light source	Type	Visible semiconductor laser	Visible semiconductor laser
	Wavelength	658 nm	658 nm
	Output	15 mW	5 mW
	Laser class	Class 3B	Class 2M
Beam shape (at measurement center distance)		120 μm × 75 mm TYP.	120 μm × 75 mm TYP.
LED indicator		Lit while laser is ON.	LED indicator STAND BY: Turns ON when laser emission is ready (green) LD_ON: Turns ON when laser is emitted (green)
Environmental performance	Ambient operating illumination	Illumination at light-receiving surface: 3,000 lx max., incandescent light	Illumination on received light surface 7000 lx max. (incandescent light)
	Ambient temperature	Ambient temperature Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)	Operating: 0 to 50°C Storage: -15 to +60°C (with no icing or condensation)
	Ambient humidity	Ambient humidity Operating and storage: 35 to 85 % RH (with no condensation)	Operating and storage: 35% to 85%RH (with no condensation)
	Degree of protection	IEC IP66	IEC IP66
	Vibration resistance (durability)	Vibration resistance 10 to 150 Hz (single amplitude: 0.35 mm) for 8 min. each in X, Y, and Z directions	10 to 150 Hz (at a single-amplitude of 0.35 mm) for 80 minutes each in the X, Y, and Z directions
Material		Unit: aluminum die-cast Cable sheathing: Heat-resistant PVC Connector: zinc alloy and brass	Case: aluminum die-cast, Front cover: glass Cable sheath: heat-resistant PVC, Connector: Zinc alloy and brass
Cable length		0.5 m	0.5 m, 2 m (flexible cable)
Minimum bending radius		68 mm	68 mm
Weight		Approx. 550 g	Approx. 650 g
Accessories		CLASS 3B Warning label	Laser warning labels (English Label), ferrite core (1 pce), Instruction Sheet

Characteristics

Item Input/Output Type	Z550-MC10	Z550-MC15	ZG2-WDC11/11A	ZG2-WDC41/41A
	NPN	PNP	NPN	PNP
Number of Sensors that can be mounted	2		1	
Number of scenes	16 scene		16 bank	
Light intensity tracking function	Multi-sensitivity adjustment (dynamic range or sampling interval takes precedence), fixed sensitivity, automatic sensitivity adjustment		MULTI/HS MULTI/AUTO/FIXED	
Measurement item	Height, Step: 2 pts, Step: 3 pts, Edge position, Width, Edge center, Peak/Bottom, Cross-sectional area, Inclination, Roughness, User-defined		Height/2-point step/3-point step/Edge position/Edge width/Angle/	
Results output	Terminal block: Judgment result Analog: Measurement result RS-232C: Measurement result, judgment result, profile data		Judgment (ALLPASS/NG/ERROR), Analog output Trigger auxiliary output, USB2.0, RS-232C	
Terminal block	11 input points: TRIGGER, LD-OFF, RESET, DI0 to DI7 21 output points: DO0 to DO19 and GATE		I/O signal wire, Serial I/O, Parallel output	
Power supply voltage	21.6 to 26.4 VDC		21.6 to 26.4 VDC	
Current consumption	1 A max. (with 2 Sensors connected)		0.8 A max.	
Insulation resistance	Between the group of external DC terminals and the ground terminal: 20 MΩ max. (at 100 V DC) (when the built-in surge absorber is removed)		Across all lead wires and Controller case: 20 MΩ (by 250 V Megger)	
Dielectric strength	Between the group of external DC terminals and the ground terminal: 1000 V AC at 50/60 Hz (when the built-in surge absorber is removed)		Across all lead wires and Controller case, 1000 V AC, 50/60 Hz, 1 min	
Vibration resistance	10 to 150 Hz (double amplitude: 0.1 mm) for 8 min. each in X, Y, and Z directions		Vibration frequency: 10 to 150 Hz Single-amplitude: 0.35 mm Acceleration: 50 m/s ² 10 times for 8 minutes	
Shock resistance	200 m/s ² , 3 times each in 6 directions		150 m/s ² 3 times each in 6 directions (up/down, left/right, forward/backward)	
Ambient temperature	Operating: 0 to +50 °C, Storage: -15 to +60 °C (with no icing or condensation)		Operating: 0 to +50°C Storage: -15 to +60°C (with no icing or condensation)	
Ambient humidity	Operating and storage: 35 to 85 %RH (with no condensation)		Operating and storage: 35% to 85%	
Degree of protection	IEC IP20 (in-panel)		IP20 (IEC60529)	
Material	Unit: ABS		Case: Polycarbonate (PC), Cable sheath: heat-resistant PVC Cable length 2 m	
Weight (including packaging)	Approx. 700 g		Approx. 300 g (when packaged: approx. 450 g)	
Accessories	2 manuals, 1 resistor (250 Ω, 1/2 W)		ZG2-WDC_1: ferrite core (large) (1 pcs), Insure Lock (1 pcs), Instruction Sheet ZG2-WDC_1A: ferrite core (large) (1 pcs), ferrite core (small) (2 pcs), Insure Lock (1 pcs), Instruction Sheet, setup software (CD-ROM), USB cable (1m)	

Product discontinuation Z5[] series	Recommended replacement ZG2 series
Z5FP-SL1	No recommended replacement
Z510-SW[]	No recommended replacement
Z510-WC10[]	No recommended replacement
Z5FP-MC1[]	No recommended replacement

Operation methods

The operation method is different.

Please refer to the catalog and the manual to the details.