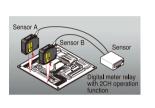
e sensor for high accuracy displacement laser.

ent and offset functions for flexible control of analogue output. For Peak / Bottom limit of analogue value.

ection of dark colored targets.

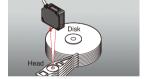
u Imm veraging of 256 times)





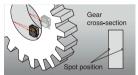
y and actuator

veraging of 256 times)





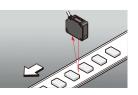






ickness

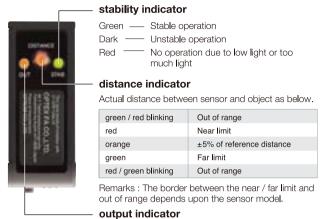
-40mm averaging of 256 time)



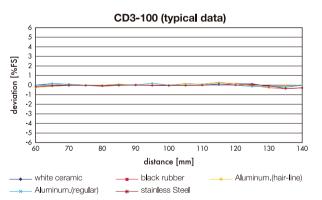


Simple pushbutton teach, and easy-to-view

Simple pushbutton teach, and easy-to-view digital pa



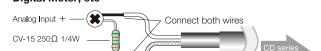
Stable measurement of both highly reflective polished surfaces as well as non reflective material such as black rubber.



Voltage output coverter CV-15

If you need to convert 4-20mA analogue output into 1-5V voltage output connect the resistor CV-15.

Digital Meter, etc

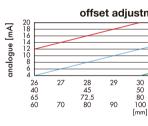


(operation panel)



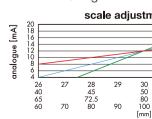
Offset

The Offset Function shifts either the positive or the neable within ±50% of the r



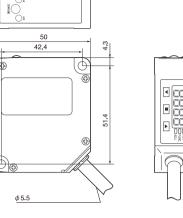
Span adjustmer

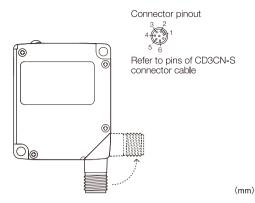
Span adjustment change value (displacement) to the within ±50% against rate



Analogue restro

M12 Connector type





CD3-100N/P

CD3-250N/P

ATIONS

CD3-50N/P

CD3-30N/P

2D3-30014/OF	OD3-300N/OF	CD3-00CN/CF	CD3-100CN/CF	OD3-2300N/OF
N = NPN output, $P = 1$	PNP output			
30 ±4mm	50 ±10mm	80 ±15mm	100 ±40mm	250 ±150mm
βmm	20mm	30mm	80mm	300mm
Class 2 Laser, 650nm,	max 1mW			
⊅@0.5 mm	φ@0.8 mm	1×1.5mm	1×1.5mm	3×1.5mm
12 - 24V DC (-5 to +	10%)			
Nominal value 1-20, or	AUTO			
Max 120mA (DC12V)	, 80mA (DC24V), includi	ing analog output current		
(Unit : Micron. Under	AUTO sensitivity. White c	eramic as an object)		
1	10	10	30	150
12	30	40	80	2mm
3	20	30	60	800
5	12	20	40	400
2	8	8	20	100
pelow 2	below 8	below 8	below 10	50
⊧1% F.S.				±1.5%F.S. (up to 250mm)
				±2.5%F.S. (up to 400mm)
£0.08% F.S. / Celsius				

CD3-80N/P

Max 2.2ms (at fixed sensitivity between 1-20), Max 15ms (at auto sensitivity)

500µs

NPN or PNP, Max 100mA/DC24V, Residual voltage max 1.8V

On delay / Off delay / Oneshot (1msec increment for 0-999ms, 1sec for 0-10 sec)

Red = Near, Orange = Middle, Green = Far, Red/Green = Error Remark: Errors as "out of measuring range", "Too high reflection", etc

Green = Stable, Red = Error, No light = Unstable, need adjustment

Orange = Output (NPN or PNP)

-10 to 40°C, 35 to 95% RH

Sun light: Max 10,000 lux, Incandescent Lamp = Max 3,000 lux

Compact design ideal for built-in use with OEM mac

• Versatility from 30 ± 4 mm to 250 ± 150 mm distance.

• If a display and signal control is needed both the dig output of the CD1 can be connected to a digital pan

LINEUP

CD1-30

30mm distance type

Sorting of mechanical parts

Measurement range: 30 ±4mm

Resolution: $1 \mu m$ (Responce speed 100msec)

Linearity: ±2% F.S.







50mm distance type

Level check of food package

Measurement range: 50 ±10mm

Resolution: $3 \mu m$ (Responce speed 100msec)

Linearity: ±1% F.S.



CD1-100

100mm distance type

Height of components on the board

Measurement range: 100 ±35mm

Resolution: 15 µm (Responce speed 100msec)

Linearity: ±2% F.S.



CD1-130

130mm distance type

Cap of bottled beverage

Measurement range: 130 ±50mm

Resolution: 20 µm (Responce speed 100msec)

Linearity: ±3.5% F.S.



