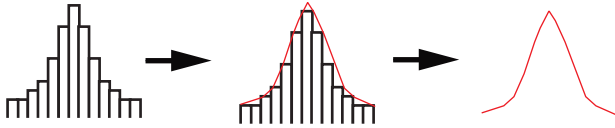


COST EFFECTIVE CMOS MEASUREMENT LASER

High Accuracy $\pm 0.1\%$ F.S. Linearity

Divides 1 Pixel into small pieces that enables accurate measurement by reproducing a genuine value of incoming light.



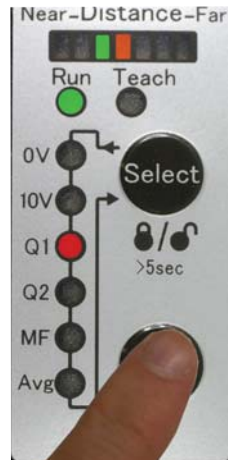
Small Compact Size

The CD33 only weighs 65 grams (2.3oz) perfect for in-machine measurement and placing on linear slides/cylinders.



Intuitive Set-up

Provides a user friendly adjustment that decreases the set-up time required by typical sensors.



Flexible Configurations

- Stand Alone Design
- Analog Current Output (4-20ma)
- Analog Voltage Output (0 - 10V)
- 2 Channel Comparator Output
- Serial (RS422) Output
- Multi-Function Input

SPECIFICATIONS

CD33 Series CMOS Laser Displacement Measurement Sensor

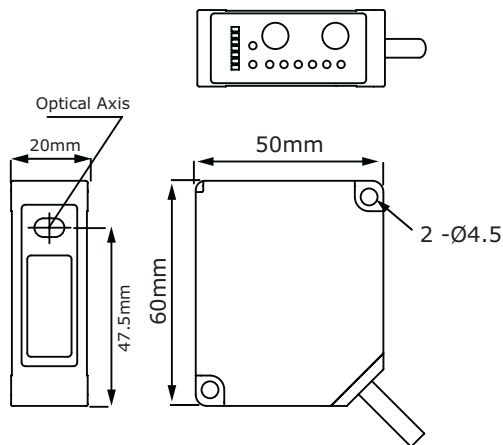
2 control Output	CD33-30N / P	CD33-50N / P	CD33-85N / P	CD33-120N / P
2 Control Output + Analog 4-20ma	CD33-30NA / PA	CD33-50NA / PA	CD33-85NA / PA	CD33-120NA / PA
2 Control Output + Analog 0-10V	CD33-30NV / PV	CD33-50NV / PV	CD33-85NV / PV	CD33-120NV / PV
1 Control Output + RS422	CD33-30N-422 / P-422	CD33-50NV / PV	CD33-85N-422 / P422	CD33-120N-422 / P-422
Control Output	N= NPN output, P = PNP output			
Measurement Range	30 ±4mm	50 ±10mm	85 ±20mm	120 ±60mm
Full Scale	8mm	20mm	40mm	120mm
Light Source	Red Laser Diode (wave length 650nm)			
FDA Class	CLASS II			
Spot Size (Center of Range)	0.1x0.1mm	0.6x1.0mm	0.75x1.25mm	1.0x1.5mm
Linearity	0.1%F.S.			
Repeatability	2 microns	5 Microns	10 Microns	30 microns
Supply Voltage	12 -12VDC (-5 to +10%)			
Temp Drift	0.08%F.S. / °C			
Response Time (FAST)	1ms (averaging :1)			
Protection Category	IP67			
Weight	65 Grams (without Cable)			

Cable Type listed above

Quick disconnect version also Available consult Ramco for Details

DIMENSIONS

Cable Type



Connector Type

