



Appearance

Reference distance	35mm	125mm	170mm	340mm
Sensing range	MR(Range)	10mm	50mm	100mm
	SMR(Gauge)	25mm	75mm	70mm
	Xsmr(Near)	8mm	30mm	48mm
	xemr(Far)	11mm	41mm	82mm
Operating voltage	9~30V			
Power consumption	6W (without built-in heater)			
Communication	Ethernet/1000Mbps			
Synchronous input	RS422,3 channel			
Output	RS422, 1 channel			
Laser source	658nm or405nm or450nm or808nm			
Laser class	class 2M (IEC)			
Linearity	Z axis	± 0.05% F.S. (standard mode); ± 0.1% F.S. (DS mode)		
	X axis	± 0.2%F.S		
Resolution	Z axis	0.01 % F.S. (standard mode), 0.02% F.S. (DS mode)		
	X axis	648 or 1296 points (programmable value)		
Standard sampling rate (full working range)	484 profiles / sec (standard mode); 938 profiles / sec (DS mode)			
Maximum sampling rate (ROI mode)	5096 profiles / sec; 6800 profiles / sec (DS mode)			
Temperature drift	0.02 %F.S/°C			
Enclosure rating	IP67			
Ambient luminance	Incandescent or fluoresecent; Max.5000 lux			
Ambient temperature	-20℃~+40℃			
Relative humidity	5~95 %			
Shock resistance	30g/6ms			
Vibration resistance	20g/10~1000Hz 6 hours in XYZ direction			
Material	Aluminum/Glass			
Storage temperature	-20℃~+70℃			
Weight	550g	600g		
Model No.	ESX-G10	ESX-G50	ESX-G100	ESX-G250

- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vibration
- Temperature
- Cables
- Tester

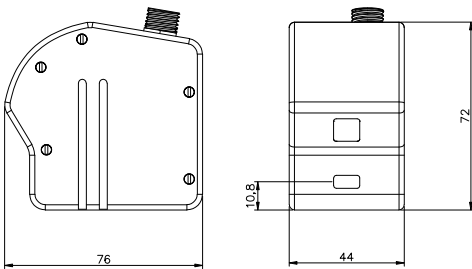
Guidance

Displacement

- TOF measurement
- Mini digital display
- Built-in controller
- Linear measurement
- Magnetic displacement
- LIDAR Scanner
- Color confocal

Dimensions

Unit: mm



connector #1



connector #2



Circuit diagram

connector #1

#	Assignment, 100baseTX	Assignment, 1000baseT
1		D4+
2		D3-
3		D3+
4	RX+	D2-
5	RX+	D2+
6	TX+	D1-
7	TX+	D1+
8		D4-

connector #2

#	Assignment	Note
1	OUT1-	RS422
2	IN3-	RS422
3	IN3+	RS422
4	IN2-	RS422
5	IN2+	RS422
6	NEXT_LAS_OFF	Laser OFF
7	IN2+	RS422
8	IN2-	RS422
9	OUT1+	RS422
10	V+	+9~30V, 650mA max
11	GND	Grounding
12	0V	0V power supply(<-)