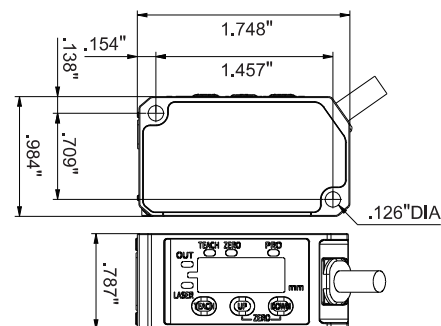


LASER DISPLACEMENT SENSORS

IP67
WATERPROOF

Unit:inch



- High accuracy, non-contact measurement, high speed response, multiple measurement modes, environmental adaptability, programmable control, rich data output interface and easy maintenance
- Can be used in automated production lines, robotic arms, packaging equipment, printing equipment, medical equipment etc.

SPECIFICATION

Part No.	NPN+Analog current	LDS-N30	LDS-N50	LDS-N100	LDS-N200	LDS-N400
	NPN+Analog voltage	LDS-N30-MC	LDS-N50-MC	LDS-N100-MC	LDS-N200-MC	LDS-N400-MC
	NPN+RS485	LDS-N30-RS	LDS-N50-RS	LDS-N100-RS	LDS-N200-RS	LDS-N400-RS
Basis (center) distance		1.18"	1.97"	3.94"	7.87"	15.75"
Detection range (FS)		.98"~1.38"	1.38"~2.56"	2.56"~5.32"	4.72"~11.02"	7.87"~23.62"
Full scale		.39"	1.18"	2.76"	6.30"	15.75"
Repeat accuracy		.0002"	.0006"	.001"	.004"	7.87"~15.75": .006" 15.75"~23.62": 0.02"
Linear accuracy		±0.2% FS				7.87"~15.75": ±0.2% FS 15.75"~23.62": ±0.3% FS
Response time		1ms/5ms/10ms				
Temperature drift characteristics		±0.05% FS/°C				
Light source	medium	red diode laser, wavelength 655nm				
	output power	≤1mW				
	laser class	IEC/JIS/GB Class 2, FDA Class II				
Light spot diameter		0.002"DIA	0.003"DIA	0.005"DIA	0.01"DIA	0.02"DIA
Output	switch mode	NPN open collector, ≤50mA/DC 30V, residual voltage<1.8V				
	analog	analogue voltage: 0~5V (alarm: 5.5V), analogue current: 4~20mA (alarm: 21mA)				
Operation		Light.on/Dark.on selectable				
Power supply		DC12~24V				

Protection level		IP67
Material	cover case	aluminium castings
	front cover	propylene
Connection		lead-in type (5-pole, standard cable length 2m)
Ambient illumination		incandescent lamp ≤ 3000lux
Ambient temperature		operation: 14~122°F, storage: -4~140°F(non-freezing)
Ambient humidity		operation: 35~85%RH, storage: 35~85%RH (non-condensing)
Net weight		0.11lb

STANDARD DELIVERY

Main unit	1 pc
Cable	1 pc