

激光测距传感器

LASER DISTANCE SENSOR

SW-LDS-DA/DB

项目 ITEMS	SW-LDS-DA	SW-LDS-DB
测量距离 Measurement Range	0.2m-20m/30m/50m	0.2m-20m/30m/50m/100m
电压/电流输出 Output Voltage/Current	×	0-5V / 0-10V / 4-20mA / 0-20mA / 0-24mA
电压输出误差 Output Voltage Error	×	0.2%+0.5mV
电流输出误差 Output Current Error	×	0.2%+0.005mA
测量频率 Measurement Frequency	1Hz~40Hz	
激光类型 Laser Type	Class II, 660±15nm, <1mW	
测量分辨率 Resolution	1mm	
测量误差 Accuracy	±(2mm+D * 1/10000)	
光斑尺寸 Spot Size	@1m Ø6mm; @10m Ø8mm; @20m Ø12mm; @30m Ø16mm	
指示光 Indication Light	红色激光 / Red Laser	
背光关闭时间 Backlight	30 minutes (可设置常开) / Switch off in 30 minutes automatically	
显示屏 LCD	128x32点阵屏 / 128×32 Dot Matrix LCD	
操作模式 Operating Mode	关闭测量、连续测量 /Single Measurement、Continuous Measurement	
RS485接口 RS485 Interface	√	
RS232接口 RS232 Interface	√	
晶体管开关输出 Transistor Output	2路(不可超过DC36V 0.5A)/2Channel(< DC36V 0.5A)	
供电电源 Power Supply	DC15~30V	
功耗 Power Consumption	<3.0W	
防护等级 Protection Grade	IP67	
壳体材料 Shell Material	压铸铝合金 / Aluminum Die-cast Alloy	
过热保护 Thermal Protection	机身温度高于70°C关闭测量，低于70°C恢复 /Device temperature>70 C, stop measuring; Device temperature<70 C, resume measuring	
工作温度 Working Temperature	-10°C~50°C	
存储温湿度 Storage Temperature/Humidity	-20°C~60°C; 20% ~ 85%RH	
外形尺寸 Product Dimension	88.45x40x59.3mm (含连接座)	

