



天津杰泰高科传感技术有限公司
TIANJIN G-TEK SENSOR TECHNOLOGY CO.,LTD

地址：天津市西青区张家窝镇广源路6号
电话：86-22-23050231
传真：86-22-23050231-8006
邮箱：sales@gtekautomation.com

深圳办事处：广东省深圳市龙华新区龙观东路57号尚美时代712室
苏州办事处：苏州市工业园区苏州大道西8号中银惠龙大厦1704室

www.gteksensor.cn



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光电传感器 Photoelectric Sensor

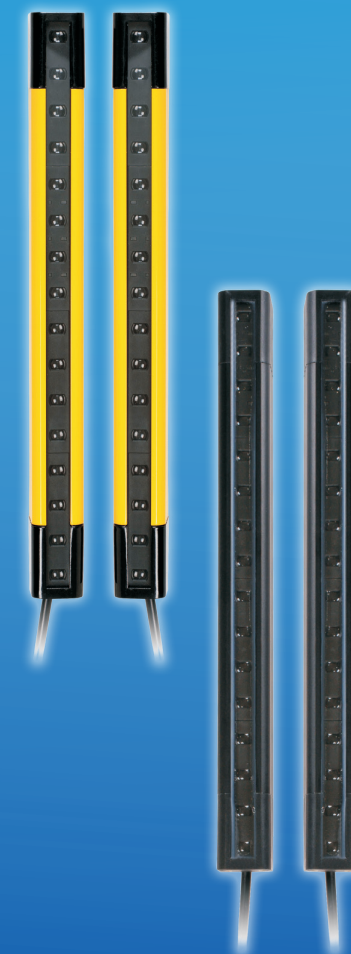


SENSOR SELECTION GUIDE



激光雷达 Laser Radar

红外扫描光幕 Infrared Light Curtain



ABOUT US

公司简介

天津杰泰高科传感技术有限公司致力于为物流自动化、工厂自动化和过程自动化提供日益智能化的传感器部品和可定制化的解决方案。其前身天津市杰泰克自动化技术有限公司创办于2003年，从应用于自动门业的安全光电传感器的研发、制造和经营开始，逐渐发展为拥有包括电感式接近开关、光电传感器、测量和安全光幕、激光测距传感器、激光雷达等核心技术和产品，服务于包括智能楼宇、智能交通、物流自动化、工厂自动化、机器人等领域并能为客户提供定制解决方案的专业智能传感器研发制造企业。

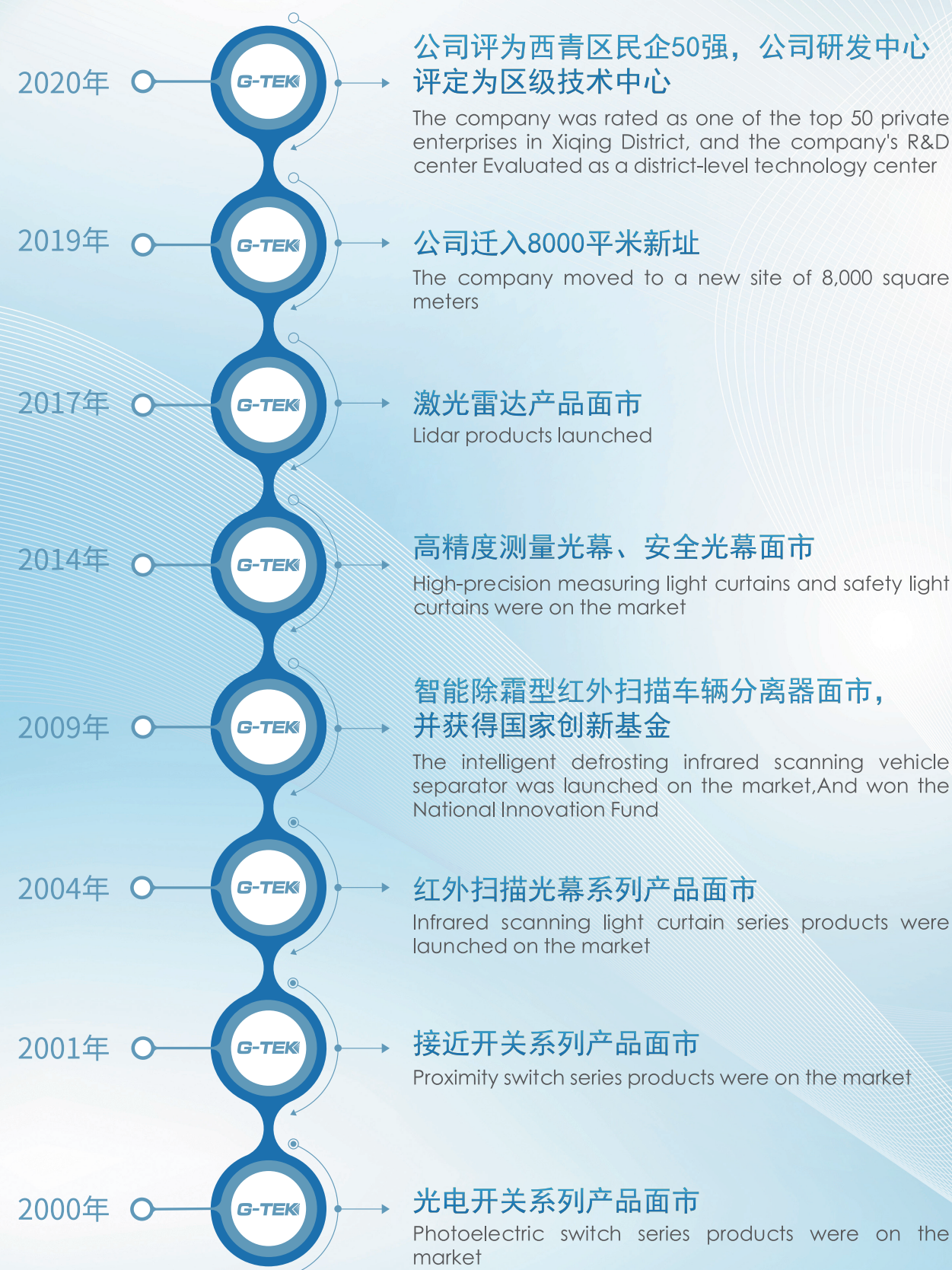
2019年随着新研发生产基地的全面竣工和启用，天津杰泰高科传感技术有限公司将全面承接和拓展原杰泰克自动化的各项业务。杰泰高科将继续秉承“全情投入、精益求精”的核心理念及“用户第一，质量至上”的经营宗旨，通过优质产品和服务，最大限度满足客户需求，为客户创造长期价值和潜在增长，并通过不断的技术升级与创新积极参与和助力“中国制造2025”战略。

Tianjin G-TEK sensor technology Co.,ltd is indicated in providing intelligent sensor products and customized solutions for logistics automation, factory automation and process automation.

The predecessor of the company is Tianjin G-TEK automation technology Co.,ltd, a professional sensor manufacturer and sensor solution provider, which was established in 2003 with business ranges from Proximity switch,photoelectric sensor,measurement and safety light curtain to Laser rangefinder sensor,laser radar, etc and serves for intelligent buildings, intelligent transportation, logistics automation, factory automation and industry robot fields.

Adhering to the core philosophy of "devotion with enthusiasm , pursuit of perfection", G-TEK will cater to the demands on product and service of customer by continuous technological innovation, also give support for "Made in China 2025" strategy.

G-TEK



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激光雷达 Laser Radar

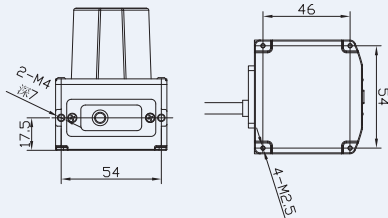


- CE认证
CE Certificate
- 防护等级
Protection Rating: IP65

新品推介 New Product

LMO系列激光雷达

LMO series Laser Radar



- 工作区域最大可达10米（反射率90%）
Large working area, up to 8 meters(90% reflectance)
- 保护距离（反射率10%）：4米
Protection distance (10% reflectance): 4 meters
- 抗光干扰可达80000Lux
Anti-light interference, up to 80,000Lux
- 室内外均可应用
Suitable for indoor and outdoor application
- 响应时间快
Fast response
- 区域组数量多，满足各场景设置
Multi-regional division to meet differet scene settings

LMO系列 LMO series	工作距离 Working distance	0~10m（反射率为90%） 0~10m（90% reflectance）
	保护距离 Protection distance	4m（反射率为10%） 4m（10% reflectance）
	扫描角度 Scanning angle	270°
	角度分辨率 Angle resolution	0.5°
	测量分辨率 Measurement resolution	7 mm
	重复精度 Repeat accuracy	± 15 mm
	光源 light source	红外（905nm） Infrared light(905nm)
	激光等级 Laser rate	1级 人眼安全(EN60825-1:2014) Level 1 Eye safety(EN60825-1:2014)
	电压/功耗 Voltage/power consumption	10~30VDC / < 5W
	响应时间 Response time	40 ms
	频率 Frequency	25Hz
	区域组数量 Number of area groups	32组*3区域（96区域，第一组为默认三区域） 32 groups*3 areas (96 areas, the first group is the default three areas)
	输入/输出 Input / Output	5/ 3*区域输出+1*同步输出（NPN） 5/ 3*Zone output+1*Sync output (NPN)
	数据接口 Data interface	RS485/RS232/ USB(Micro-B)
	防护等级 Protection rate	IP65
	应用环境 Application Environment	室内外 Indoor and outdoor
	工作温度/储存温度 Temperature	-30° ~60° /-40° ~85°
	抗光干扰 Anti-light interference	80000Lx
	外形尺寸 Shape and size	60mm*65mm*76.5mm

注：详情请咨询销售人员。
Note: contact sales manager for detail.

激光雷达 Laser Radar



- CE认证: CE Certificate: NO.3J190619.TGTT099
- 防护等级: Protection Rating: IP67/IP68

LSD 系列激光雷达 LSD series Laser Radar



- 高达50Hz的扫描频率，满足高速检测需求
50Hz scanning frequency satisfy high-speed detection
- 采用一级激光，对人体安全无害
Class I laser and safe to people
- 可以设置多个防护区域，满足客户的需要
Several protection areas can be set as required
- 内部集成加热器，确保低温环境下正常运行
Internal integrated heater ensures operation at low temperature
- 具有灰尘滤除功能，抗强光干扰，防护等级IP68
Cast aluminum shell, Durability and stability of structure

LSD系列激光雷达 LSD series Laser Radar	产品类型 Product type	产品型号 Product model	检测距离 Detection distance	数据通讯 Communication
	激光雷达 laser radar	LSD101A	40m	Ethernet
	激光雷达(输入型) laser radar(Inpute)	LSD121A	40m	Ethernet
	激光雷达 Laser measurement	LSD105A	50m	Ethernet
	激光雷达(输入型) laser radar Long-distance	LSD151A	50m	Ethernet
	激光轮轴识别器 laser axle identificator	LSD111B1 LSD111B2		

LND 系列激光雷达 LND series Laser Radar



- 体积小、重量轻、结构坚固、方便安装
Small size, light weight, sturdy structure, easy to install
- 检测距离20米（90%反射率）
Detection distance 20 meters (90% reflectance)
- 最大270° 扫描范围
Max 270° scan range
- 角分辨率：0.5° /0.25°
Angular resolution: 0.5°/0.25°
- 接口：Ethernet，串行RS232
Interface: Ethernet, serial RS232

LND系列 激光雷达 LND Series Laser Radar	产品类型 Product type	产品型号 Product model	检测距离 Detection distance	扫描角度 Detection scope	数据通讯 Communication
	分车型 Sub-model	LND202AS	0~20m	0~180°	Ethernet
	轮轴识别 Wheel and Axle Recognition	LND202AW	0~20m	0~180°	Ethernet
	测量型 Measurement type	LND202AN	0~20m	0~180°	Ethernet
	输入型 Protection type	LND202AI	0~20m	0~180°	Ethernet
	特征识别 Feature recognition	LND202AF	0.3~2m	0~140°	Ethernet
	避障型 Obstacle avoidance	LND202BN	0~10m	0~270°	Rs232

注：详情请咨询销售人员.检测距离90%反射率测得
Note:contact sales manager for detail,measured at 90% reflectivity of detection distance

红外光幕 Infrared Light Curtain



- 具有门消隐功能，交叉扫描功能
With door blanking function, cross scan function
- 光通讯方便接线和安装。
Optical Synchronization Communication easy wiring and installation.

新品推介 New Product

LSE(C)系列光幕 LSE(C) series Light Curtain



- 检测距离长
Long detection distance
- 抗光干扰强
Strong anti-light interference performance
- 易对准，易安装
Easy to align, easy to install
- 新型光幕，适用于门业、通道闸、仓储物流等行业
New type of light curtain, suitable for door industry, turnstile gate, warehousing logistics and other industries

产品选型 (Product selection)

产品类型 Product type	产品型号 Product model	光轴间距 Optical axis spacing	分辨率 Resolution	检测距离 Detection distance	检测高度 Detection height
普通型 Normal type	LSE40	40mm	50mm	1-3m	280~1880mm
	LSE80	80mm	90mm	1-8m	240~1840mm
	LSE160	160mm	170mm	1-8m	160~1760mm
RS485串口型 RS485 serial port type	LSEC40	40mm	50mm	1-3m	280~1880mm
	LSEC80	80mm	90mm	1-8m	240~1840mm
	LSEC160	160mm	170mm	1-6m	160~1760mm

产品参数 (Product parameter)

LSE(C)系列 红外光栅 LSE(C) series Light Curtain	光轴数 Light beams	40mm:08-48; 80mm:04-24; 160mm:02-12;
	电源电压 Supply voltage	24V DC±20%
	工作电流 Working current	≤150mA
	输出形式 Output mode	开关量输出1路检测输出 Switch output 1 detection output
		LSEC4042D两路检测输出 LSEC4042D Two detection outputs
	工作模式 Work mode	常开、常闭可选 Normal Open, Normal Close for Selecting
	通讯方式 Communication	LSE: 光同步 Optical synchronization LSEC: 线同步 Cable synchronization
	工作温度 Temprature	-30~60℃
	响应时间 Response time	1~7.6ms(根据产品型号选定) 1~7.6ms (selected according to product model)
	防护等级 Protection rating	IP 67
	抗光干扰 Anti-light interference	80000Lux

注：可根据需要选择NPN/PNP输出，详情请咨询销售人员。
Note: NPN/PNP for selecting , contact sales manager for detail.

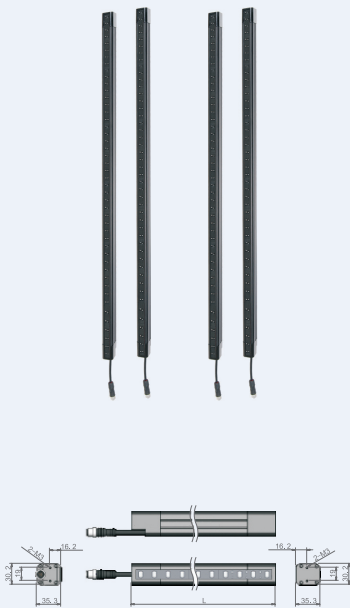
红外光幕 Infrared Light Curtain



- CE认证
CE Certificate: NO.0B190914.TGTTQ97
- 无盲区设计，实现全面检测；独特光学设计，高效抗干扰。
Dead-zone -free design , high anti-interference performance.

LSM(C)系列光幕

LSM(C) series Light Curtain

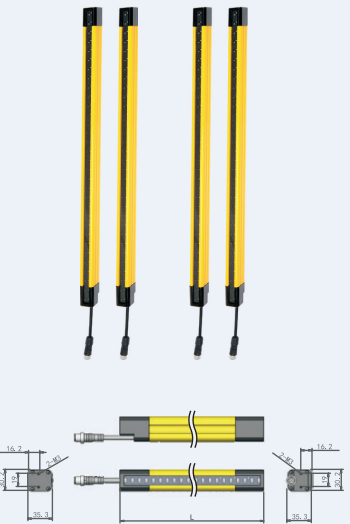


- 特殊光学镜头，有效抗除杂光、太阳光干扰
Special optical lens, effectively resist stray light and sunlight interference
- 光通讯方式简化布线安装
Optical communication mode simplifies wiring installation
- 双路开关量输出，另包含独特的数字量/模拟量信号输出
Dual-channel switch output, and also includes unique digital/analog signal output
- 具备自诊断功能，在失效状态下发出报警指示和报警输出
With self-diagnosis function, alarm indication and alarm output in failure state
- 具有光束强弱检测，便于现场安装和维护
With beam intensity detection, it is convenient for on-site installation and maintenance
- 坚固铝合金外壳，抗冲击振动能力强
Rugged aluminum alloy shell, strong resistance to shock and vibration

产品类型 Product type	产品型号 Product model	光轴间距 Optical axis spacing	分辨率 Resolution	检测距离 Detection distance	检测高度 Detection height
检测型 Detection type	LSM10	10mm	15mm	2~10m	320~1920 mm
	LSM20	20mm	26mm		
	LSM40	40mm	50mm		
	LSM80	80mm	90mm		
测量型 Measuring type	LSMC05	05mm	9mm	0.8~5m	320~1600 mm
	LSMC10	10mm	15mm	2~10m	320~1920 mm
	LSMC20	20mm	26mm		
	LSMC40	40mm	50mm		
	LSMC80	80mm	90mm		

LSA系列光幕

LSA series Light Curtain



- 分辨率15、26、46、86mm规格可选
Resolution 15, 26, 46, 86mm specifications are optional
- 依照Type 4级安全标准设计
Designed in accordance with Type 4 safety standards
- 支架方式专为360° 定位设计
The bracket method is designed for 360° positioning
- 集成故障识别和OSSD双输出设计
Integrated fault recognition and OSSD dual output design
- 独特的结构设计使保护区域无盲区
Unique structural design makes the protection area without blind spots

产品类型 Product type	产品型号 Product model	光轴间距 Optical axis spacing	分辨率 Resolution	检测距离 Detection distance	检测高度 Detection height
安全光栅 Safety type	LSA10	10mm	15 mm	0.5~6 m	320~1920 mm
	LSA20	20mm	26 mm	0.5~8 m	320~1920 mm
	LSA40	40mm	46 mm	0.5~8 m	320~1920 mm
	LSA80	80mm	86 mm	0.5~8 m	320~1920 mm

注：以上产品可根据需要选择NPN/PNP输出，选择检测距离&检测高度，详情请咨询销售人员。
Note: For above products there are NPN/PNP for selecting , contact sales manager for detail.

光电传感器 Photoelectric Sensor

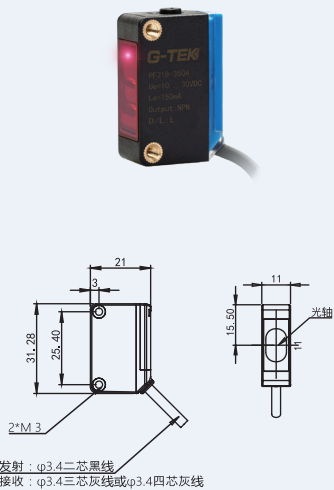


- 防护等级:IP67
Protection Rating: IP67 (IEC)
- CE 认证
CE Certificate: NO.0B170829.TJGDN20

新品推介 New Product

PF 21系列光电传感器

PF 21 series Photoelectric Sensor



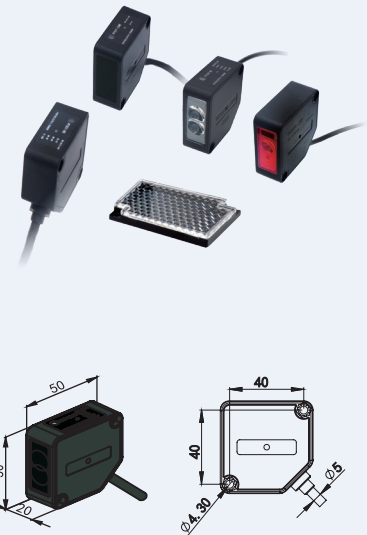
- PF21系列为PMF21系列升级型号
PF21 series is an upgraded model of PMF21 series
- 包括对射型、反射板型、漫反射型
Including Opposed, Refro-reflective, Diffused
- 具有背景抑制功能
With background suppression function
- 体积小巧、节省空间
Small size and makes installation in limit space easy
- 方形安装结构，45°出线，方便现场安装操作
Square installation structure, 45° outlet, convenient for on-site installation and operation

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	工作电压 Supply Voltage	动作方式 Action method	接线方式 Wiring
对射型 Opposed	PF21T-15M	1.5m	10V~30V DC	亮通/暗通 Light on/ dark on	E:DC2wires R:DC3wires DC4wires
反光板型 Refro-reflective	PF21T-30M	30m			DC3wires DC4wires
背景抑制型 Background suppression	PF21RS	0.1 ~4m ¹⁾			DC3wires
	PF21B-350A	0.03~0.35m			
漫反射型 Diffused	PF21B-1000A	0.03~1 m			
	PMF21D	0.2~0.8m			

说明：1) 采用RP02反光板，安装距离0.1 m~7 m
2) 标准线长2 m

PF 50系列光电传感器

PF 50 series photoelectric sensor



- PF50系列为PMF50系列升级型号
PF50 series is an upgraded model of PMF50 series
- 包含对射型、反射板型、漫反射型
Including Opposed, Refro-reflective, Diffused
- 非球面光学镜头，全面消除杂散光，有效克服太阳光 等光源干扰
Aspheric optical lens, completely eliminate stray light, effectively overcome the interference of light sources such as sunlight
- 可以通过红色LED的亮、灭指示传感器工作状态，使安装方便
The working status of the sensor can be indicated by the on and off of the red LED, which makes the installation convenient
- 防护等级IP67
Protection grade IP67

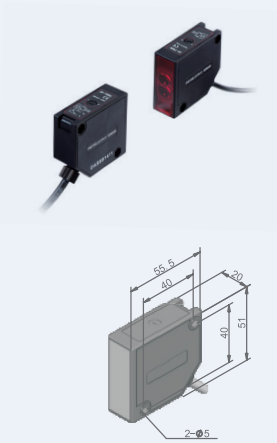
产品类型 Product type	产品型号 Product number	检测距离 Detection distance	工作电压 Supply Voltage	动作方式 Action mode	接线方式 Wiring
对射型 Opposed	PF50T PF50TF	10m/25m/50m	12V~24V DC 12V~240V DC/AC	亮通/暗通 Light on/ dark on	E: DC2wires R: DC5wires
反光板型 Refro-reflective	PF50R PF50RF	0.15~7 m ¹⁾	12V~24V DC 12V~240V DC/AC		DC5wires
激光反光板型 Laser reflector type	PF50R-AR	宽光束: 0.5 m~8 m ¹⁾ 窄光束: 0.5 m~5 m ¹⁾	12V~30V DC		
漫反射型 Diffused	PF50D	0.1 m~1.5 m	12V~24V DC		
	PF50DF		12V~240V DC/AC		

说明：1) 采用RP02反光板，安装距离0.1 m~7 m
2) 标准线长2 m

注：以上产品可根据需要选择NPN/PNP输出，详情请咨询销售人员。
Note: For above products there are NPN/PNP for selecting , contact sales manager for detail.

- 防护等级:IP67
Protection Rating: IP67 (IEC)
- CE 认证
CE Certificate: NO.0B170829.TJGDN20

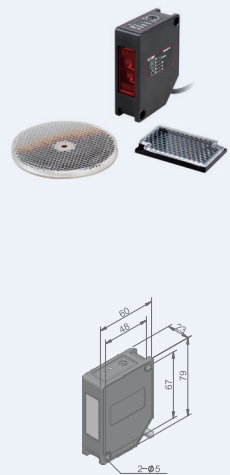
PMF 55系列光电传感器
PMF 55 series Photoelectric Sensor



- 灵敏度高, 有效解决小物体检测问题
High sensitivity solves the detection problem on small size object
- 光调制频率可选, 有效解决多套安装造成的串扰问题
Optical modulation frequency solve the cross-interference problem
- 特殊光学镜头, 有效消除杂光、太阳光干扰
Special optical lens eliminate sunlight and stray light interference

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	工作电压 Operating Voltage	动作方式 Action method	接线方式 Wiring
对射型 Opposed	PMF55TF	40m	12V~240V DC/AC	常开常闭 Normally open normally closed	DC5wires

PMF 80系列光电传感器
PMF 80 series Photoelectric Sensor



- 超长检测距离, 最大检测距离可达200米
The longest detection distance is up to 200m
- 光调制频率, 有效解决多套安装造成的串扰问题
Optical modulation frequency solves the cross-interference problem
- 超强红外光束可以穿透浓雾和灰尘
Strong infrared light can penetrate mist and dust

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	工作电压 Operating Voltage	动作方式 Action method	接线方式 Wiring
反光板型 Retro-reflective	PMF80R	16 m ¹⁾	10V~30V DC	通过电位器调 节亮动/暗动	DC5wires
对射型 Opposed	PMF80T	200m	10V~30V DC	暗动	E: DC3wires R: DC5wires

注: 可根据需要选择NPN/PNP输出, 根据产品型号选择Light On/Dark On方式, 详情请咨询销售人员;
Note: NPN/PNP for selecting and light On/ Dark On for selecting, contact sales manager for detail

- 防护等级:IP67
Protection Rating: IP67 (IEC)
- CE 认证
CE Certificate: NO.0B170829.TJGDN20

新品推介 New Product

SPL 系列单点激光测距传感器
SPL series single point laser ranging sensor



- 自带开机背景采集功能
Built-in background collection function
- 体积小巧,安装简便灵活
Small size, easy and flexible installation
- LED可以指示运行及输出的工作状态
LED can indicate the working status of operation and output
- 采用脉冲测距技术,激光安全等级 I 级
Using pulse ranging technology, laser safety class I
- 灵敏度可通过旋钮或接线方式调节
Sensitivity can be adjusted by knob or wiring

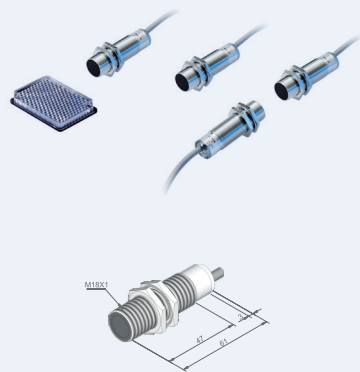
产品型号 Product model	SPL-010-B
检测距离 Detection distance	90% 白板: 10 m 1% 黑绒布: 6 m
盲区 Blind spot	30 m m
工作电压 Supply Voltage	12~30VDC, (Vp-p < 10%)
工作电流 Working current	MAX. 50 mA
测量频率 Measurement frequency	< 2 kHz
灵敏度 Sensitivity	400 mm / 600 mm
激光波长 Laser wavelength	950 nm 950 nm
激光等级 Laser class	1级 Level 1
控制输出 Control output	NPN
动作方式 Action mode	亮动 / 暗动 Light on/dark on
工作温度 Temperature	-30℃~60℃
线缆尺寸 Cable size	M12航空母插头8P, 5芯端子线长3m
产品尺寸 Product Size	79mm×60mm×23mm
防护等级 Protection rating	IP 67

注: 详情请咨询销售人员。
Note: contact sales manager for detail

- 防护等级:IP67
Protection Rating: IP67 (IEC)
- CE 认证
CE Certificate: NO.0B170829.TJGDN20

PM 18系列光电传感器

PM 18 series Photoelectric Sensor



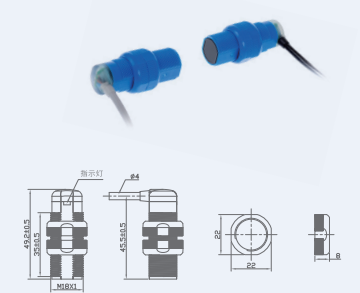
- 包括漫反射、镜反射和对射式三种类型
Diffused type, Retro-reflective type and opposed type
- 电源逆极性保护、过流保护、过压保护
Reverse polarity protection, over current and over voltage protection
- 环氧树脂密封, 可适应恶劣的外部环境
Epoxy resin sealing against rugged environment

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
漫反射式 Diffused	PM18D	100mm/400mm	DC-3 wires	10-30V DC
	PM18DB	1.2m	DC-3 wires	10-30V DC
反光板式 Retro-reflective	PM18R	0.1-3.5m ¹⁾	DC-3 wires	10-30V DC
对射式 Opposed	PM18T	20m	DC-3 wires	10-30V DC

说明: 1) 采用RP05反光板, 安装距离0.1 m~16 m
2) 标准线长2 m

PS 18系列光电传感器

PS 18 series Photoelectric Sensor

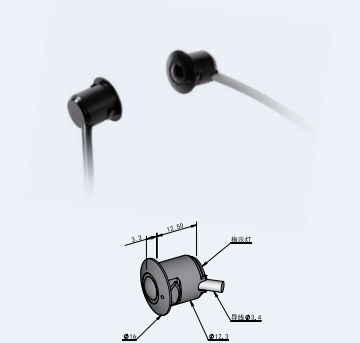


- 一体式封装工艺, 提高产品防护性能
Integrated Packaging Technology enhances the protection performance
- 新外观设计, 为用户节省安装空间
New shape design to easy the installation at different space
- 超强抗阳光干扰能力, 适应各种应用环境
Strong anti-light interference , against rugged environment

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
对射式 Opposed	PS18T	20m	E:DC-2 wires R:DC-3 wires	10-30V DC

PT 12系列光电传感器

PT 12 series Photoelectric Sensor



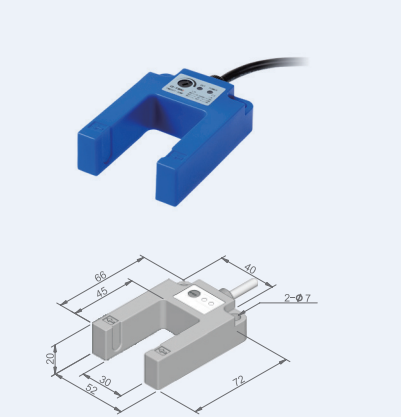
- 迷你外形, 适用小型化设备
Compact design, fit for small-sized equipment
- 卡扣式安装结构, 45° 出线方式, 安装简便
Clip-in design makes the installation easy
- 内置逆极性保护、电源短路保护
Epoxy resin sealing against rugged environment

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage	抗环境光 Anti-ambient light
对射式 Opposed	PT12V	10m	DC-2 wires	10-30V DC	太阳光Max 100000Lux
	PT12T	10m	DC-3 wires	10-30V DC	太阳光Max 3000Lux
	PT12TW	10m	DC-3 wires	10-30V DC	太阳光Max 4000Lux
	PT12U	5m	DC-3 wires	10-30V DC	

注: 以上产品可根据需要选择NPN/PNP输出, 根据产品型号选择Light On/Dark On方式, 详情请咨询销售人员;
Note: For above products there are NPN/PNP for selecting and light On/ Dark On for selecting, contact sales manager for detail

PMK 50系列光电传感器

PMK 50 series Photoelectric Sensor



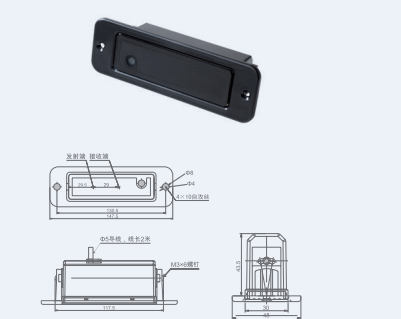
- 抗干扰能力强
High anti-interference performance
- 光束孔无需对准调节, 安装简便
Easy installation, alignment adjustment is not necessary
- 灵敏度可调节
Tunable sensitivity
- 过压保护, 短路保护
Over voltage protection, short circuit protection

产品类型 Product type	产品型号 Product model	检测范围 Detection distance	工作电压 Supply voltage	接线方式 Cable
对射式 Opposed	PMK50T-30NF	30mm	12-35V DC	DC-3 wires
	PMK50T-30PF	30mm	12-35V DC	DC-3 wires
	PMK50T-30F	30mm	12-35V DC	DC-4 wires

注: 可通过改变接线顺序选择Light On/Dark On方式, 详情请咨询销售人员
Choose Light On or Dark On by changing the sequence of wire connecting, contact sales manager for detail

GAS 201光电传感器

GAS 201 Photoelectric Sensor



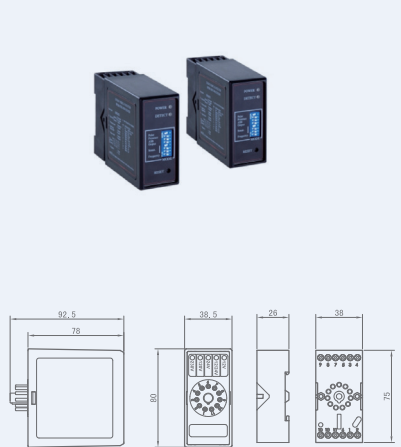
- 超强抗太阳光干扰能力
High anti-sunlight interference performance
- TOF技术有效消除颜色影响
TOF technology eliminates the influence of color
- 最大检测距离可达3.5米
The detection range is up to 3.5m

产品类型 Product type	产品型号 Product model	检测范围 Detection distance	工作电压 Supply voltage	接线方式 Cable
漫反射式 Diffused	GAS201	0.1~3.5m	10-30V DC/AC	DC-7 wires

注: 详情请咨询销售人员。
Note: contact sales manager for detail.

GVD 3列车检器

GVD 3series Photoelectric Sensor



- 拨码开关选择灵敏度及灵敏度自举功能
Automatic Sensitivity Boost function boosts the sensitivity to the maximum
- 通过拨码开关选择电器动作方式和输出方式
Dialer On-Off switch select action mode and output mode of the relay
- 具有加电自动复位和人工复位两种功能
Power-on automatic reset and manual reset functions

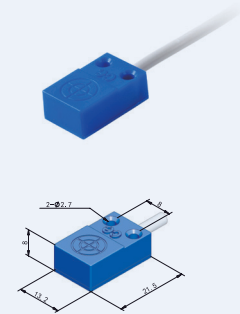
产品型号 Product model	工作电压 Supply voltage	灵敏度 Sensitivity	通道 Channel
GVD 301	220V AC±10%	0.02-0.2% (七级可调) 0.02-0.2%(7-grade selectable)	单通道 Single channel
GVD 321	24V AC/DC	0.02-0.2% (七级可调) 0.02-0.2%(7-grade selectable)	单通道 Single channel
GVD 302	220V AC±10%	0.02-0.2% (四级可调) 0.02-0.2%(4-grade selectable)	双通道 Binary channel
GVD 322	24V AC/DC	0.02-0.2% (四级可调) 0.02-0.2%(4-grade selectable)	双通道 Binary channel

注: 详情请咨询销售人员。
Note: contact sales manager for detail.

- 防护等级:IP67
Protection Rating: IP67 (IEC)
- 执行标准:GB/T 14048.10-2008或IEC:IEC60947-5-2:2004
Executive standard: GB/T 14048.10-2018 or IEC:IEC60947-5-2:2004

IF 12系列接近传感器

IF 12 series Proximity Switch

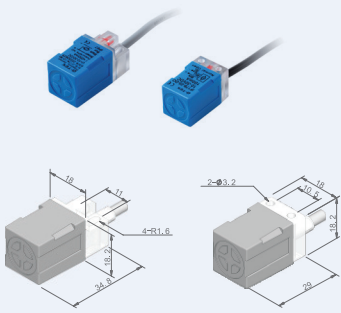


- 无触点开关、性能稳定，可以替换行程开关
Contactless switch,stable performance,alternatives for position limit switch
- 内置短路保护、逆极性保护、过载保护
Build-in short circuit protection,reverse polarity protection,overload protection
- 扁平结构，可以在狭小空间内安装使用
Flat structure, easy to install in narrow & small space

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	IF12B	3.5mm±0.5mm	DC-3 wires	10~30V DC

IF 17系列接近传感器

IF 17 series Proximity Switch

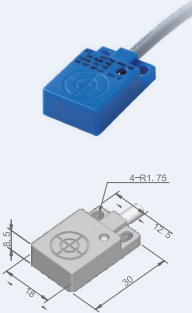


- 专用的抗干扰集成电路
Exclusive jam-proof integrate circuit
- 短路保护，经济并且操作简单
Short circuit protection, economical and easy to operate
- 操作指示灯可以指示传感器的状态
Operation light indicates working status of sensor

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	IF17B	5mm±10%	DC-2 wires	10~30V DC
	IF17B	5mm±10%	DC-3 wires	10~30V DC
	IF17B长尾	5mm±10%	DC-3 wires	10~30V DC
非齐平式 Non-flush type	IF17N	10mm±10%	DC-3 wires	10~30V DC
	IF17N长尾	10mm±10%	DC-3 wires	10~30V DC

IF 18系列接近传感器

IF 18 series Proximity Switch



- 逆极性保护
Reverse polarity protection
- 红色LED指示灯指示开关动作状态
Red LED indicates action status of switch
- 应用广泛，可以用做限位开关
Widely used as limit switch

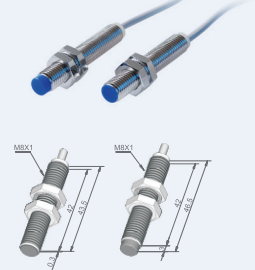
产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
非齐平式 Flush type	IF18B	5m±10%	DC-3 wires	DC-3 wires

注：可根据需要选择NPN/PNP输出，根据产品型号选择常开/常闭方式，详情请咨询销售人员；
Note: NPN/PNP for selecting and NO/NC for selecting, contact sales manager for detail

- 防护等级:IP67
Protection Rating: IP67 (IEC)
- 执行标准:GB/T 14048.10-2008或IEC:IEC60947-5-2:2004;
Executive standard: GB/T 14048.10-2018 or IEC:IEC60947-5-2:2004

IM 08系列接近传感器

IM 08 series Proximity Switch

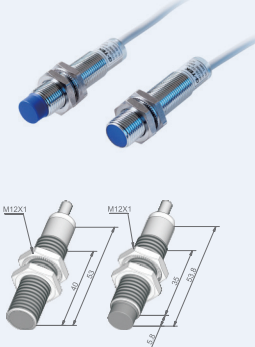


- 逆极保护和短路保护
Reverse polarity protection and short circuit protection
- 长寿命，高可靠性
Long service life & high reliability
- 经济且操作简单
Economical and easy to operate

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	IM08B	2mm±10%	DC-3 wires	10~30V DC
非齐平式 Non-flush type	IM08N	3mm±10%	DC-3 wires	10~30V DC

IM 12系列接近传感器

IM 12 series Proximity Switch

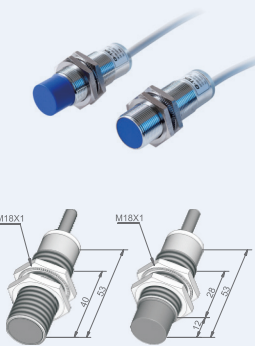


- 逆极保护和短路保护
Reverse polarity protection and short circuit protection
- 长寿命，高可靠性
Long service life & high reliability
- 经济且操作简单
Economical and easy to operate

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	IM12B	2mm±10%	DC-2 wires	10~30V DC
	IM12B	2mm±10%	DC-3 wires	10~30V DC
	IM12B	4mm±10%	DC-3 wires	10~30V DC
非齐平式 Non-flush type	IM12N	4mm±10%	DC-2 wires	10~30V DC
	IM12N	4mm±10%	DC-3 wires	10~30V DC
	IM12N	8mm±10%	DC-3 wires	10~30V DC

IM 18系列接近传感器

IM 18 series Proximity Switch



- 逆极保护和短路保护
Reverse polarity protection and short circuit protection
- 长寿命，高可靠性
Long service life & high reliability
- 经济且操作简单
Economical and easy to operate

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	IM18B	5mm±10%	DC-2 wires	10~30V DC
	IM18B	5mm±10%	DC-3 wires	10~30V DC
	IM18B	8mm±10%	DC-3 wires	10~30V DC
	IM18B	5mm±10%	AC-2 wires	24~240V AC
非齐平式 Non-flush type	IM18N	8mm±10%	DC-2 wires	10~30V DC
	IM18N	8mm±10%	DC-3 wires	10~30V DC
	IM18N	12mm±10%	DC-3 wires	10~30V DC
	IM18N	8mm±10%	AC-2 wires	24~240V AC

注：1. 以上产品可根据需要选择NPN/PNP输出，根据产品型号选择常开/常闭方式，详情请咨询销售人员；
Forabove products there are NPN/PNP for selecting and NO/NC for selecting, contact sales manager for detail
2. IM12/IM18系列产品有插件式及短壳类产品可选，详情请咨询销售人员；
IM12/IM18 series proximity switch have plug-in type and short shape for selecting, contact sales manager for detail

www.gteksensor.cn
杰泰高科智能传感器

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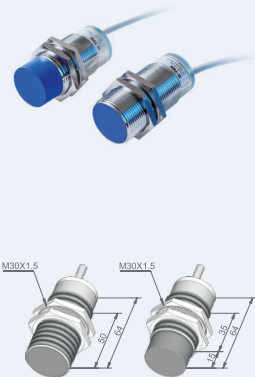
接近传感器 Proximity Switch



- 防护等级:IP67
Protection Rating: IP67 (IEC)
- 执行标准:GB/T 14048.10-2008或IEC:IEC60947-5-2:2004;
Executive standard: GB/T 14048.10-2018 or IEC:IEC60947-5-2:2004

IM 30系列接近传感器
IM 30 series Proximity Switch

- 逆极保护和短路保护
Reverse polarity protection and short circuit protection
- 长寿命, 高可靠性
Long service life & high reliability
- 经济且操作简单
Economical and easy to operate

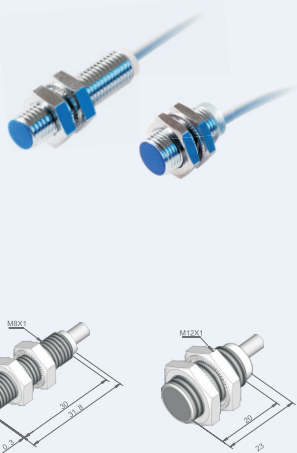


产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	IM30B	10mm±10%	DC-2 wires	10~30V DC
	IM30B	10mm±10%	DC-3 wires	10~30V DC
	IM30B	15mm±10%	DC-3 wires	10~30V DC
	IM30B	10mm±10%	AC-2 wires	24~240V AC
非齐平式 Non-flush type	IM30N	15mm±10%	DC-2 wires	10~30V DC
	IM30N	15mm±10%	DC-3 wires	10~30V DC
	IM30N	22mm±10%	DC-3 wires	10~30V DC
	IM30N	15mm±10%	AC-2 wires	24~240V AC

注: 1.可根据需要选择NPN/PNP输出, 根据产品型号选择 常开/常闭方式, 详情请咨询销售人员;
Note: NPN/PNP for selecting and NO/NC for selecting, contact sales manager for detail
2. IM 30 系列产品有插件式及短壳类产品可选, 详情请咨询销售人员;
IM 30 series proximity switch have plug-in type and short shape for selecting, contact sales manager for detail

霍尔传感器
Hall Switch

- 响应频率高
High response frequency
- 重复定位精度高
High position repeat accuracy
- 多种保护功能,高可靠性
Multiple protection functions, high reliability



HG 08系列霍尔开关 HG 08 series Hall Switch

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	HG08-N	10mm±10%	DC-3 wires	10~30V DC
	HG08-S	10mm±10%	DC-3 wires	10~30V DC

HG 12系列霍尔开关 HG 12 series Hall Switch

产品类型 Product type	产品型号 Product model	检测距离 Detection distance	接线方式 Cable	工作电压 Supply voltage
齐平式 Flush type	HG12-N	10mm±10%	DC-3 wires	10~30V DC
	HG12-S	10mm±10%	DC-3 wires	10~30V DC

注: 可根据需要选择NPN/PNP输出, 根据产品型号选择 常开/常闭方式, 详情请咨询销售人员;
Note: NPN/PNP for selecting and NO/NC for selecting, contact sales manager for detail

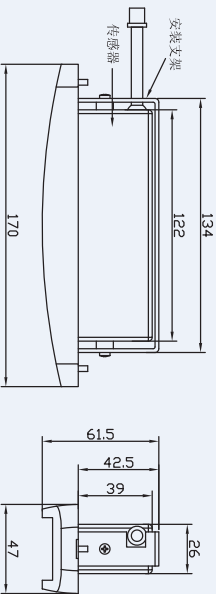
3D 相机 3D Sensor



- 防护等级:IP65
Protection Rating: IP65

新品推介

3D 相机
3D Sensor



- 蓝牙通讯接口
Bluetooth communication interface
- 可通过手机APP进行初始设置
Initial settings can be done through the mobile APP
- 方便现场安装和调试
Convenient on-site installation and commissioning

GDC1101系列
GDC1101 series

测距方式 Ranging mode	雷达扫描, 时间飞行法 (TOF) Radar scanning, time of flight (TOF)
光源 light source	940nm VCSEL (Class I)
最大安装高度 Installation height	5m
安装角度 installation angle	0° ~5°
探测视场角 ¹⁾ Detection angle of view	50°*18 ¹⁾
探测距离 Detection distance	0.2~6m @6%反射率 0.2~6m @6% reflectivity
响应时间 Response time	50ms
重复性 Repeatability	± 20mm
供电电压 Supply voltage	DC/AC 12~30V
功耗 Power consumption	<3W
通信方式 way of communication	蓝牙 Bluetooth
输出形式 Output form	1路继电器常开、常闭输出 1 relay normally open, normally closed output
工作温度 Temperature	-20℃~50℃
抗环境光 Anti-ambient light	100k lux, 太阳光 100k lux, sunlight
外形尺寸 Shape and sice	170mm×47mm×61.5mm
防护等级 Protection rating	IP65

说明: 1) 角度和探测距离可调

注: 详情请咨询销售人员。
Note: contact sales manager for detail.

随手笔记/Take notes