

# 光线传感器 模拟传感器 电子积木 互动媒体

产品名称	光线传感器 模拟传感器 电子积木 互动媒体
公司名称	哈尔滨奥松机器人科技有限公司
价格	面议
规格参数	加工定制:是 品牌:Robotbase 型号:RB-02S023
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## 产品详情

### 光线传感器 模拟传感器 互动媒体

最新推出的light sensor是基于半导体的光电效应原理所开发的光线传感器，其可用来对周围环境光的强度进行检测，结合各种单片机控制器可实现光的测量、光的控制和光电转换等功能，此传感器3p插针接口，可通过3p传感器连接线（不分模拟与数字连接线）与传感器扩展板结合使用，可以制作光感相关的互动作品。

what is a photocell?photocells are sensors that allow you to detect light. they are small, inexpensive, low-power, easy to use and don't wear out. for that reason they often appear in toys, gadgets and appliances. they are often referred to as cds cells (they are made of cadmium-sulfide), light-dependent resistors (ldr), and photoresistors.

photocells are basically a resistor that changes its resistive value (in ohms ) depending on how much light is shining onto the squiggly face. they are very low cost, easy to get in many sizes and specifications, but are very innacurate. each photocell sensor will act a little differently than the other, even if they are from the same batch. the variations can be really large, 50% or higher! for this reason, they shouldn't be used to try to determine precise light levels in lux or millicandela. instead, you can expect to only be able to determine basic light changes

for most light-sensitive applications like "is it light or dark out", "is there something in front of the sensor (that would block light)", "is there something interrupting a laser beam" (break-beam sensors), or "which of multiple sensors has the most light hitting it", photocells can be a good choice!

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