

## Linienfolger Modul Datenblatt



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## 1. Overview

The line tracking sensor based on TCRT5000 is a type of infrared reflectance sensor, and is commonly used in line following robots, mounted at the bottom of the robot chassis. The line tracking sensor works by detecting reflected light coming from its own infrared LED and by measuring the amount of reflected infrared light, it can detect transitions from light to dark (lines) or even objects directly in front of it.

- Sensor adopts TCRT5000, high sensitivity
- Sensitivity adjustable by potentiometer
- Working voltage 3.3 V to 5 V
- Operating current : 20 mA
- Digital switch output (0 and 1)
- Two fixed bolt holes for convenient installation
- Small board PCB size: 42 x 10.5 mm
- Power indicator light (red) and digital switch output indicator light (green)
- Detection reflection distance: 1-25 mm

## 2. Pin Layout

S	digital output (black = low, white = high)
V+	5 VDC power
G	ground



**Please Note:** Use this device with original accessories only. Az-Delivery cannot be held responsible in the event of damage or injury resulting from (incorrect) use of this device.