

Ultrasonic Sensor



- Product number:** 45504
- Product name:** LEGO® MINDSTORMS® Education EV3 Ultrasonic Sensor
- Age:** 10-21
- Theme:** LEGO® MINDSTORMS® Education
- Related products:** 45500, 45501, 45502, 45503, 45505, 45506, 45507, 45508, 45509, 45514, 45515, 45516, 45544, 45560, 2000045, 2000046, 2005544
- Product text:** The digital EV3 Ultrasonic Sensor generates sound waves and reads their echoes to detect and measure distance from objects. It can also send single sound waves to work as sonar or listen for a sound wave that triggers the start of a program. Students could design a traffic-monitoring system and measure distances between vehicles, for instance. There is an opportunity to discover how the technology is used in everyday items like automatic doors, cars and manufacturing systems.

Technical Specifications

- Measures distances between 3 and 250 cm (1-100 inches)
- Accurate to +/- 1 centimeter (+/- .394 inches)
- Front illumination is constant while emitting and blinking while listening
- Returns true if other Ultrasonic Sound is recognized
- Auto-ID in the EV3 software