

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:	<p>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.</p>

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