

# Infrared Seeker Sensor



<b>Product number:</b>	45509
<b>Product name:</b>	LEGO® MINDSTORMS® Education EV3 Infrared Seeker Sensor
<b>Age:</b>	10-21
<b>Theme:</b>	LEGO® MINDSTORMS® Education
<b>Related products:</b>	45500, 45501, 45502, 45503, 45504, 45505, 45506, 45507, 45508, 45514, 45515, 45516, 45544, 45560, 2000045, 2000046, 200544
<b>Product text:</b>	The digital EV3 Infrared Seeking Sensor detects proximity to the robot and reads signals emitted by the EV3 Infrared Beacon. Students can create remotely-controlled robots, navigate obstacle courses and learn how infrared technology is used in TV remotes, surveillance systems and even in target acquisition equipment.

## Technical Specifications

Proximity measurement of up to approximately 50-70 cm

Working distance from beacon of up to two meters

Supports four signal channels

Receives IR remote commands

Auto-ID in the EV3 software