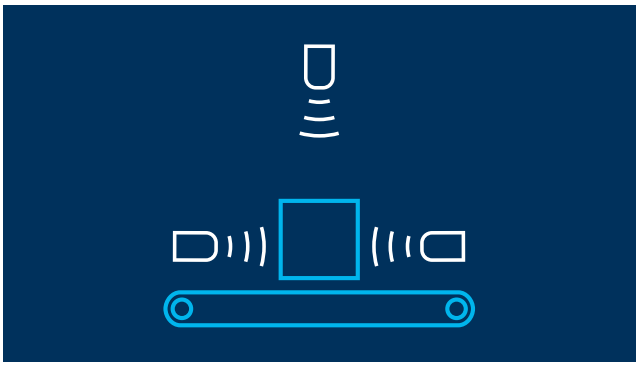
Height and width measurements



By using multiple ultrasonic sensors, three-dimensional measurements can be carried out on objects ranging from small boxes to large cartons. To do this, the sensors measure the height, width and depth of the objects without contact, making them ideally suited for use in automated sorting systems or logistics processes.

Depending on the object size and measuring range, there are three sensor families with different detection ranges to choose from:

- **mic+ with M30 threaded sleeve**: measuring range from 30 mm to 8 m for large cartons, pallets and transport boxes.
- **pico+ with M18 threaded sleeve:** measuring range from 20 mm to 1.3 m for parcels and small packaging units.
- **zws in a miniature cubic housing:** measuring range from 20 mm to 1 m for small boxes and packaging units.

application areas

Food and Pharmaceuticals

Logistics

Packaging

SENSORS FOR THIS APPLICATION AREA



mic+
housing: M30 sleeve
detection ranges: 250 mm, 350 mm, 1,300 mm, 3,400 and 6,000 mm
outputs: 1x Push-Pull, 2x pnp, 4-20...



pico+
housing: M18 all-metal sleeve
detection ranges: 250 mm, 350 mm, 600 mm and 1,300 mm
outputs: 1x Push-Pull, 4-20 mA or 0...



zws
housing: miniature cubic housing
detection ranges: 150 mm, 240 mm, 250 mm, 350 mm and 700 mm
outputs: 1x pnp or npn, 4-20 mA or ...