Beet harvester: Scanning the floor contour



When harvesting field crops, the ground contour is scanned. With a beet harvester, the foliage of the beet is first removed before it is pulled out of the ground. The ground contour is recorded in order to achieve optimal adjustment of the cutting unit of the beet harvester.

To this end, several ultrasonic sensors permanently record the distance to the ground. The control system detects the distance values and readjusts the height of the cutting blades. This ensures that only the smallest possible part of the beet is cut off.

application areas

Agricultural machinery

SENSORS FOR THIS APPLICATION AREA



mic-25/IU/M
operating range: 30 - 350 mm
Housing: cylindrical M30
Outputs: 1 x analogue 4-20 mA + 0-10 V



mic-35/IU/M
operating range: 65 - 600 mm
Housing: cylindrical M30
Outputs: 1 x analogue 4-20 mA + 0-10 V



wms-25/RT/HV/M18
operating range: 30 - 350 mm
Housing: cylindrical M18
Outputs: echo output



wms-35/RT
operating range: 65 - 600 mm
Housing: cylindrical M30
Outputs: echo output