

Italian Sensors Technology



Application:

Presence and Height Detection of plants in agricultural machines

UT1 - M30 Ultrasonic Sensors

Ultrasonic Sensors
Application note
CAT3EUT1261201
Application note - UT1 - English - Ed.01/2012





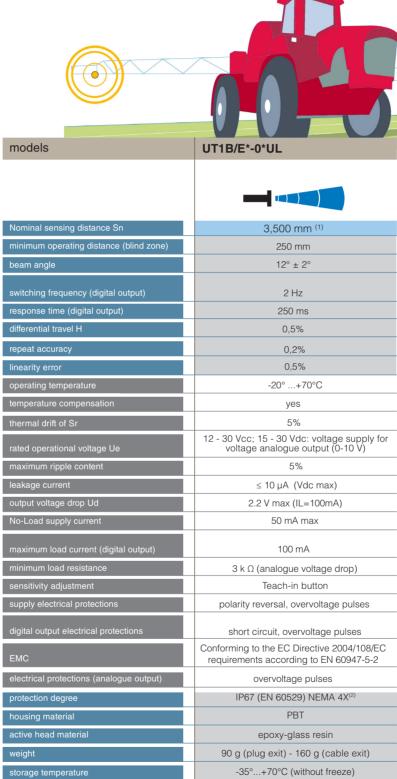
Agricolture

PROBLEM DESCRIPTION APPLIED SOLUTION Agricultural machines spraying chemical products must check the height of the plants for a more efficacious spraying action and they must avoid damages due to obstacle bumps.

UT1 Ultrasonic Sensor is the perfect solution to detect the presence and measure the height of the plants to be sprayed.

The UT1 sensor is mounted on the boom between spray nozzles and it allows a safe positioning of the sprayer in automatic way, both in case of reversing or uneven ground and it reduces therefore risks and possible maintenance

The ultrasonic technology grants an excellent reliability in terms of detection as it works regardless the color and the shape of the material to be detected.





Metallic target 200 x 200 mm

(2) Protection granted only by plug mounted in a correct way

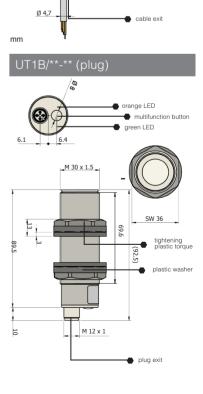


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orange LED multifunction button green LED

69.

M 30 x 1.5