

# Vehicle detector



## Ultrasound sensor



### US6003

US6003 uses ultrasound technology to detect vehicles. The sensor can measure vehicles' height and classify them (based on their height) in 3 classes (light vehicles, vans, heavy vehicles).

US6003 is a simple but accurate sensor, strong and suitable for outdoor environments.

The data provided are:

- Count
- Classification (3 classes)
- Traffic status

### VERSIONS

US6003 series is produced in different versions:

- US6003-0 sensor with serial line output RS 232 and RS485
- US6003-1 sensor with relay output (1 contact)
- US6003-2 sensor with 2 relay output (2 contacts) which allows to preset two heights

### APPLICATIONS

- Count and classification of vehicles based on height
- Detection of queues
- Vehicles' height measurement

### INSTALLATION

Ultrasound sensors must be installed above the centre of the lane, at an height between 5 and 7 meters.



Technology	Ultrasound
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Detection range	11 m.
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Dimensions	130 x 110 x 110 mm.
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Weight	1 Kg.
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Measurement period	30 - 80 ms
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Communication line	RS232 - RS485
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Power consumption	< 2W
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Power supply	12 Vdc
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Temperature range	-20°C : +50°C
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