

5240701 - Ultrasonic motion sensor S

Order code: **5210.5240701**



Cena bez DPH

263,00 Eur

Price with VAT

318,23 Eur

Parameters

Sensors

Fyzika

Quantitative unit

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For measuring distances and sound travel times with CASSY (5210.524 006, 5210.524 018, 5210.524 013). A distance is determined from the time-of-flight of an impulse of ultrasound. Derivations enable velocity and acceleration measurements.

This sensor is only supported by CASSY Lab 2, which is also available as an upgrade (5210.524 220UP).

Technical Data

- Distance measurement
 - Measurable distance: 0.25 ... 10 m
 - Measuring ranges: 1/2/5/10 m ($\Delta t = 20/40/100/200$ ms)
 - Resolution: 0,1 mm in the small measuring ranges
- Sound travel time
 - Measuring range: 10/20/50 ms
 - Resolution: 1 μ s in the small measuring ranges
- Dimensions: 65 mm x 51 mm x 27 mm
- Weight: 0.1 kg