

524042 - Force sensor S, ± 50 N
Order code: **5210.524042**



Cena bez DPH
Price with VAT

638,00 Eur
771,98 Eur

Parameters

Sensors

Quantitative unit

Fyzika

ks

For direct connection to CASSY (5210.524013, 5210.524006, 5210.524009A, 5210.524018) or the universal physics measuring instrument (5210.531835) to measure force components up to ± 50 N (e.g. spring pendulum or central force components) or accelerations up to 1000

m/s². The force sensor S consists of a parallelogram with two bending elements, one of which is provided with a full-bridge strain gauge. This results in a rigid construction with the possibility of measuring the force components in any position. Several orthogonally positioned force sensors thus measure, for example, the force vector of a rigid rotary pendulum or of a circularly oscillating thread pendulum.

Technical Data:

- Measuring ranges force: $\pm 0.5/\pm 1.5/\pm 5/\pm 15/\pm 50$ N
- Measuring ranges acceleration: $\pm 10/\pm 30/\pm 100/\pm 300/\pm 1000$ m/s²
- Resolution: 0.1% of the measuring range
- Compensation (calibration): ± 50 N in each measuring range
- Mounting: with locking screw on stand equipment
- Connection: Sub-D15-plug
- Length of cable: 2 [m]
- Dimensions: 58 x 43 x 20 [mm]
- Weight: 130 [g]