

HELAGO-CZ, s.r.o. Commercial Register maintained by the Regional Court in Hradec Králové Section C, File 17879 Kladská 1082 500 03 Hradec Králové 3

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Fax: 495 220 154 GSM gate: 602 123 096 E-mail: info@helago-cz.cz Web: http://www.helago-cz.cz **524042 - Force sensor S, ±50 N**Order code: **5210.524042** 



Cena bez DPH 638,00 Eur Price with VAT 771,98 Eur

**Parameters** 

Sensors Fyzika Quantitative unit 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  $\pm 50$  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: ±0.5/±1.5/±5/±15/±50 N

• Measuring ranges acceleration: ±10/±30/±100/±300/±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-plugLength of cable: 2 [m]

• Dimensions: 58 x 43 x 20 [mm]

• Weight: 130 [g]