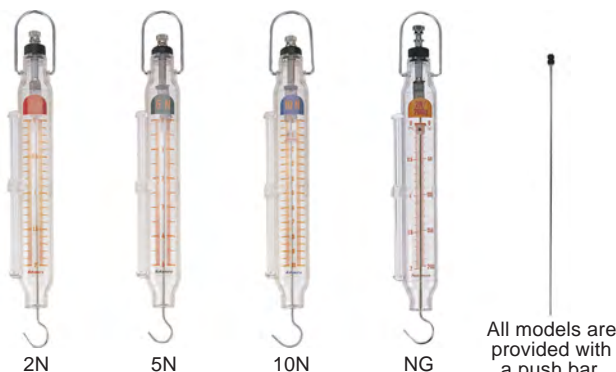
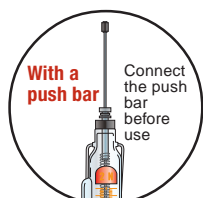


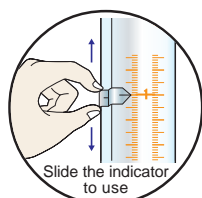
Spring Balance (Newton scale) SO Series



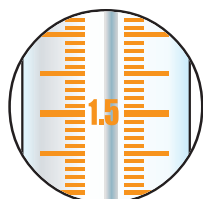
A05-4503 / 4504 <spring balance (Newton scale) SO series>



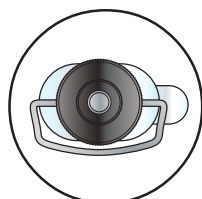
Push-pull measurement



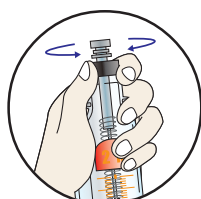
A convenient indicator for setting the standard



Easy-to-view scale even on a test bench



Easy-to-hold and non-rolling design



Easy zero adjusting with one hand

A new series of see-through Newton spring balances with a variety of features

- A convenient indicator for setting the standard
- Easy-to-hold and non-rolling design
- Zero-adjusting by one hand
- Push-pull measurement (a push bar is provided)

- Materials : Polycarbonate
- Dimensions : 35 x 260 x 20mm
- Scale length : 120mm, with a push bar

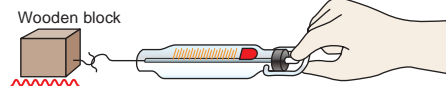
The SO-NG type indications in both Newton and gram.

CAT. NO	Type	Max. scale	Min. scale	Q'ty
A05-4053-01	SO-2N	2N	0.05N	1
-11	SO-2N-10			10
-02	SO-5N			1
-12	SO-5N-10	5N	0.1N	10
-03	SO-10N			1
-13	SO-10N-10	10N	0.2N	10
A05-4054-01	SO-NG			1
-11	SO-NG-10	2N/200g	0.2N/2g	10

Friction Force

Measuring friction force between wooden block and desk

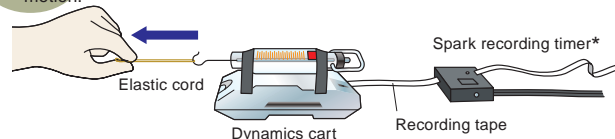
Put a wooden block on the desk and pull it horizontally with the spring balance. Read the indication to measure the friction force between the block and the desk. How will it change when the conditions are changed?



Motion and Force

Relation between force applied to a substance and speed

Pull the elastic cord such that the balance steadily indicates the same graduation, and check the intervals by which the tape records. Record the motion.



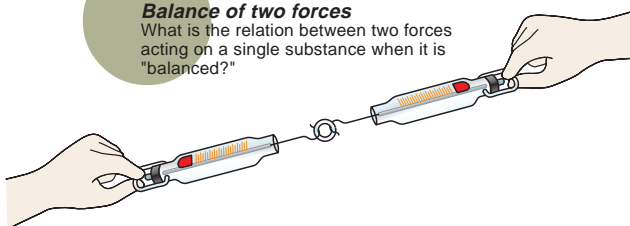
Related Device

*Spark Timer Model-a CAT. NO C15-1703

Two Forces

Balance of two forces

What is the relation between two forces acting on a single substance when it is "balanced"?



Action and Reaction

Action and reaction force

Push against the wall with your hands, and the wall pushes you back. Show this force of reaction with an arrow mark.

