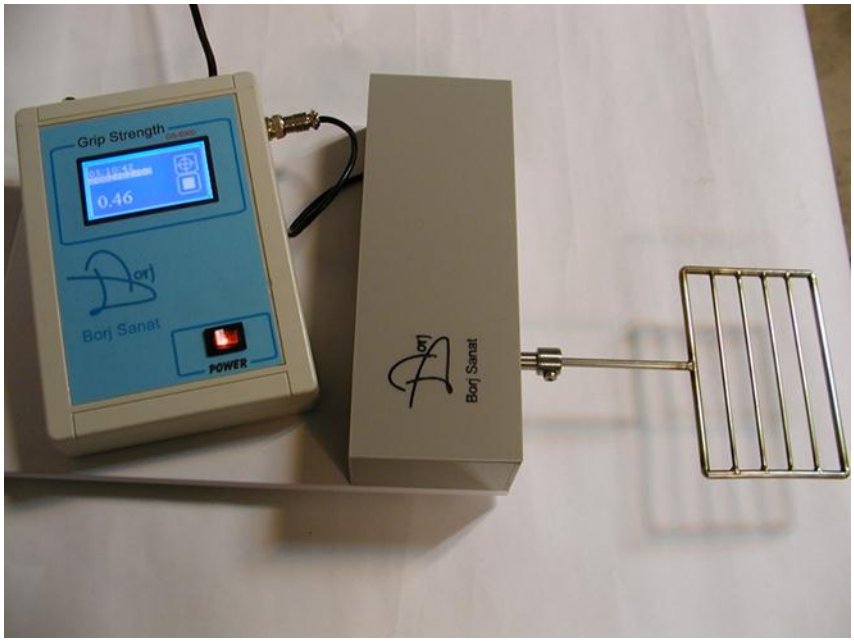
Borj Sanat azma

Physiology and pharmacology laboratory instrument

Grip strength test



The Grip Strength apparatus is used to evaluate muscle strength and function. This protocol relies on the instinctive tendency of a mouse to grasp an object with its forelimbs. The force tension meter connected to the pull bar is powered on and tared to zero force. This device is used in order to quantify the muscular strength of mice, and to assess the effect of drugs and toxins on muscle coordination. The measurement is accomplished using an accurate sensor. This ensures that the maximum force is perfectly captured and displayed, even for short and low force peaks. Measurements are displayed in grams.

Operation:

The animal is brought to an almost horizontal position and pulled back gently but steadily until the grip is released. The maximal force achieved by the animal is displayed on the screen and noted. Each animal should undergo 5 trials.

1. Hold the animal by the tail.

2. Move the animal down until it grasps the bar.

3. Pull the animal along the sensor axle until grip is released.

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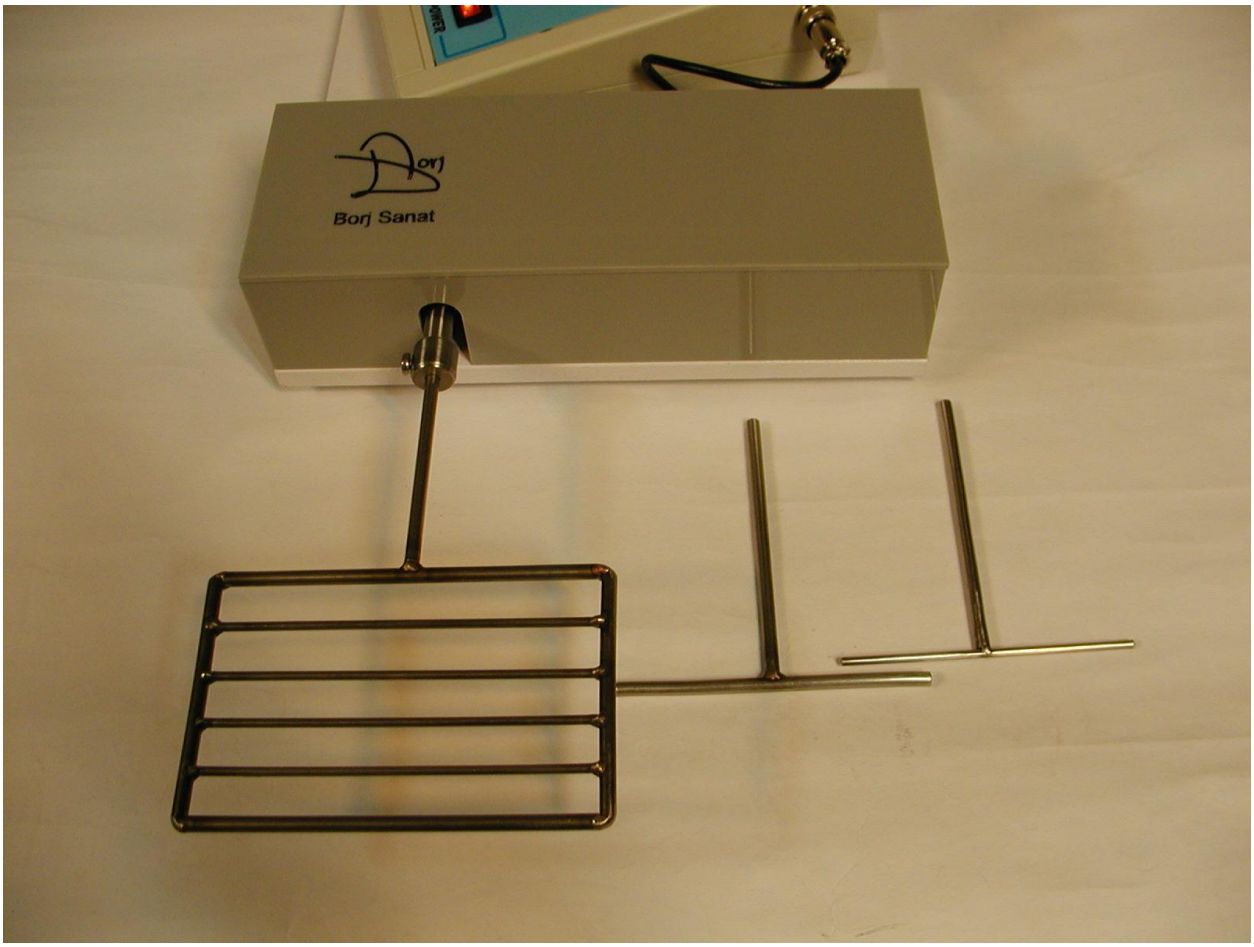
Specification:

Base dimensions (HxWxD)	**15 cm X 22 cm X 8 cm**
Reaction Time	**3 digits, 0.01 g increments**
Power Requirements	**220V, 50/60Hz**



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