



# ANIMAL GRIP STRENGTH

Measure hindlimb and forelimb grip strength in rats and mice

## SYSTEM COMPONENTS

- 1 or 2 Force Gauges
- Adjustable Grips
- Adjustable width animal channel
- Acrylic base
- Software with PC Interface
- User Manual
- All Cables and Connectors

## PART NUMBERS

- 2325-0063  
Platform with 1 Gauge and Grip
- 2325-0064  
Platform with 2 Gauges and Grips
- 7500-0229  
Adjustable Grip for Mice
- 7500-0227  
Adjustable Grip for Rats



Grip Strength Platform with 2 gauges for High Throughput

## PRODUCT OVERVIEW

SDI's Animal Grip Strength System measures hindlimb and forelimb grip strength. Gauge mountings are horizontally and vertically adjustable to accommodate both rats and mice. Two sets of walls for the center channel are included: tall for rats and short for mice. The white acrylic platform is easy to disassemble for cleaning. The Grip Strength Platform with two gauges is ideal for high throughput testing, allowing the user to test both hindlimb and forelimb strength in a single pass. The adjustable grip allows the user to position the angle of the grip between 0 and 45 degrees to obtain the optimal results. The gauge has the following scales Kilograms, Grams, Pounds, Ounces, and Newtons.

The Grip Strength System includes gauges that are single ended and record forces in compression mode (push on the grip) or tension mode (pull on the grip). The Gauges include a USB interface and software is included with the system to automatically record peak force. The software can monitor two gauges and automatically senses compression or tension and will record the peak value to the proper Subject ID previously entered into the software. The software provides options for Auto stop or Continuous Run time for more flexibility.

## FEATURES & BENEFITS

The Grip Strength platform can be configured with single or dual gauges

With two gauges you get high throughput testing of the forelimb and hindlimb in a single pass

Platform designed to promote consistent movement during testing

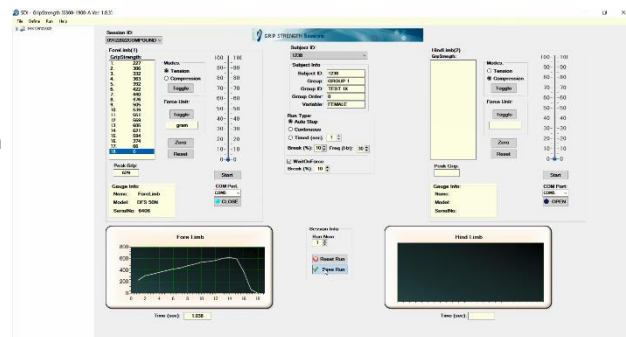
Adjustable grip from 0-45 degrees to provide maximum flexibility.

Size specific grips for mouse and rats

Peak force values (tension and compression) automatically captured.

After completion of the test, the run info is displayed in both a chart and elapsed time. The chart provides a graphical display of the collected data from the run. The elapsed time graph displays the collected data which is dependent on your start setting. The software allows for the chart to be saved as a photo for later use.

The data is stored in a database and can be exported into your statistical analysis program of your choice.



Power. Flexibility. Ease of Use.

# ANIMAL GRIP STRENGTH SPECIFICATIONS

## COMPUTER REQUIREMENTS

SDI offers high performance Configure Computers that are pre-installed with the Windows operating system, USB Drivers and applicable SDI software. Windows 10 compatible computer systems with one USB port.

## ONSITE TRAINING

SDI offers onsite training to ensure understanding of how to operate the Grip Strength System

For more information on any of our products or services please visit us on the Web at:

[www.sandiegoinstruments.com](http://www.sandiegoinstruments.com)

Or contact us via email at

[sales@sandiegoinstruments.com](mailto:sales@sandiegoinstruments.com)

<b>Grip Strength Platform Dimensions</b>	
Outside Dimensions	26" (W) x 9" (D) x 9.5" (H)
Animal Channel Dimensions	Adjustable 1" to 5" (W)
Gauge Mount Dimensions	Adjustable 5.5" to 8.25" (H)
Material Composition	Acrylic
Maximum # Stations	One
Standard Cable Length	3ft. for digital gauge with PC output
<b>Digital Gauge Specifications</b>	
Maximum load	11lbs
Data Readings	Newtons, Grams, Kilograms, Ounces, Pounds
Brand	Nextech
Maximum Gauges	Two
<b>Animal Grip Dimensions</b>	
<b>Rat</b>	
# of Rods	10
Diameter of Rods	.09"
<b>Mouse</b>	
# of Rods	19
Diameter of Rods	.04"
Material	Stainless Steel



MOUSE GRIP



RAT GRIP

## SERVICES AVAILABLE

Technical Support  
 Installation and Setup  
 Maintenance  
 Application Support  
 Hardware Support  
 Guaranteed Warranty



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