

ANIMAL GRIP STRENGTH SYSTEM

Measure hindlimb and forelimb grip strength in rats and mice



Grip Strength Platform with 2 gauges

Features & Benefits

- 1 and 2 gauge systems measure both forelimb and hindlimb strength
- Adjustable grips (0-45 degrees) provide maximum flexibility
- Peak force values are preserved for recording
- PC Interface provides automatic recording
- Modular design makes cleaning quick and easy

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.

Animal grip strength is recorded using a digital gauge. The gauge has a 'peak hold' switch to lock the digital numerical display at the peak load reading. Animal grip strength is recorded using a digital gauge. The gauge has a 'peak hold' switch to lock the digital numerical display at the peak load reading. A time saving feature of the PC interface model is the ability to automatically record the peak value. The gauge is single-ended and displays both compression and tension values. The gauge has the ability to measure in Kilograms, Newtons or Pounds. Several models are available that include one or two gauges with optional PC interface for automatic recording.

GRIP STRENGTH COMPONENTS

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

GRIP STRENGTH SYSTEM SPECIFICATIONS

| | |
|---------------------------|--|
| Outside Dimensions | 26" (W) x 9" (D) x 9 ½" (H) |
| Animal Channel Dimensions | Adjustable 1" to 5" (W) |
| Gauge Mount Dimensions | Adjustable 5 ½" to 8 ¼" |
| Material Composition | Acrylic |
| Maximum # Stations | One |
| Standard Cable Length | 6 ft. for digital gauge with PC output |
| Certifications | Factory calibration certificate on request |
| Color Options | White |

GRIP STRENGTH DIGITAL FORCE GAUGE SPECIFICATIONS

| | <i>Maximum Capacity / Resolution</i> |
|------------|--|
| Mice | 1K/resltn 1g, 10N/resltn .01N, 2 lb/resltn .001 lb |
| Rats/ Mice | 5K/resltn 1g, 50N/resltn .01N, 10 lb/resltn .01 lb |

GRIP STRENGTH COMPUTER REQUIREMENTS (for PC interface option)

Windows 2000/XP compatible computer system with serial interface. Minimum disk and memory sizes specified to support Windows 2000/XP are acceptable.

SDI CONFIGURED COMPUTERS

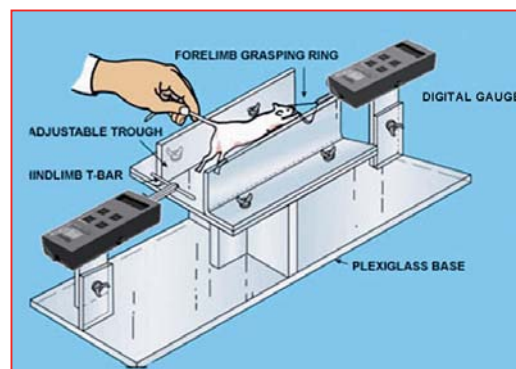
SDI offers high performance Cobalt™ Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install PC Interface cards and all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin testing.

FOR MORE INFORMATION

To learn more about SDI behavioral testing systems, please visit www.sandiegoinstruments.com. If you have any questions or would like to request a quote please call (858) 530-2600 or email us at sales@sandiegoinstruments.com.

SDI MOTOR & SENSORY TEST SYSTEMS

- Animal Grip Strength System
- Hotplate Analgesia Meter
- Rotor-Rod™
- Tail Flick Analgesia Meter
- Pressure Analgesia Meter



(1) A Method for the Routine Assessment of Fore- and Hind limb Grip Strength of Rats and Mice O. Meyer, H. Tilson, W. Byrd & M. Riley Neurobehavioral Toxicology Vol. 1. pp. 233-236.



San Diego Instruments, Inc.
6295 Ferris Square, Suite A
San Diego, CA 92121
Ph: 858-530-2600
Fax: 858-530-2646
www.sandiegoinstruments.com

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