

Saturn Commutator

low profile powered commutator for twist-free tethers

The Saturn Commutator features a geometrical reconfiguration from traditional stacked slip rings to concentric tracks, resulting in a drastically shorter, lighter and more compact design – simplifying overhead mounting.

Even the smallest rodents exhibit more natural behavior and unencumbered movement as a result of Saturn’s micro-torque tether rotation sensor and smooth motor drive.

- 16 to 160 channels
- Low profile ceiling mount
- Motorized with micro-torque tether rotation sensor
- Through-bore cannula for optical fiber or fluid delivery
- Easier to install
- Sealed against dirt and dust
- Lower cost



Saturn 2 option featuring 64 channels

Supports all Neuralynx buffered and multiplexing headstages and tethers with appropriate adapter.

Compatible Input Adapters

ADPT-HS18-DUAL-PSR

ADPT-HS-27-PSR-36

ADPT-HS-36-PSR-36

ADPT-HS-MUX-FLEX

Common Specifications

Width	254 mm
Depth	279.4 mm
Through-Bore Cannula Diameter	11.2 mm
Input Flex Tether	330 mm
Output Connector	MDR-50 Female

Saturn Commutator Product Options

Option	Channels	References	Stimulus Pairs	Height	Mass
Saturn 1	32	4	2	241.3 mm	3.4 kg
Saturn 2	64	8	4	266.7 mm	4.2 kg
Saturn 3	96	12	6	292.1 mm	5.0 kg
Saturn 4	128	16	8	317.5 mm	5.7 kg
Saturn 5	160	20	10	342.9 mm	6.5 kg
Saturn Mini <i>low cost option for 16 channel systems</i>	16	2	2	241.3 mm	3.4 kg

Included:

- Plate & brackets for ceiling or behavior cage top mounting

Optional:

- 17 mm Fiber Optic Rotary Joint (FORJ) top mounting plate
- 29 mm Fiber Optic Rotary Joint (FORJ) top mounting plate
- Manual remote control