

# MODEL MFS-01


## FOOT-SHOCK STRESS SYSTEM




### Introduction

MFS-01 was designed to give a stress to the animal in a cage by giving it an electrical shock through the grid floor. The system consists of a RSK-001 rat cage (or a MSK-001 mouse cage), a SGS-003 shock generator scrambler, a CBX-CT cycle timer, a CSC-001 CS Controller and a MCS-01 Clip-Mount CS Presentation Unit.

### SPECIFICATIONS

RSK-001 RAT CAGE									
	<table border="1"> <tr> <td style="padding: 5px;">Grid</td> <td style="padding: 5px;">5mm O.D. x 18 , 16mm Interval (Center-Center)</td> </tr> <tr> <td style="padding: 5px;">Material</td> <td style="padding: 5px;">Stainless Steel, Acryl</td> </tr> <tr> <td style="padding: 5px;">Dimensions</td> <td style="padding: 5px;">OD 360W x 370D x 450mmH ID 300W x 300D x 400mmH</td> </tr> <tr> <td style="padding: 5px;">Weight</td> <td style="padding: 5px;">Approx. 3kg</td> </tr> </table>	Grid	5mm O.D. x 18 , 16mm Interval (Center-Center)	Material	Stainless Steel, Acryl	Dimensions	OD 360W x 370D x 450mmH ID 300W x 300D x 400mmH	Weight	Approx. 3kg
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Dimensions	OD 360W x 370D x 450mmH ID 300W x 300D x 400mmH								
Weight	Approx. 3kg								

MSK-001 MOUSE CAGE									
	<table border="1"> <tr> <td style="width: 150px;">Grid</td> <td>3mm O.D. x 24, 10mm Interval (Center-Center)</td> </tr> <tr> <td>Material</td> <td>Stainless Steel, Acryl</td> </tr> <tr> <td>Dimensions</td> <td>OD 300W x 275D x 290 mmH ID 200W x 240D x 230 mmH</td> </tr> <tr> <td>Weight</td> <td>Approx. 2kg</td> </tr> </table>	Grid	3mm O.D. x 24, 10mm Interval (Center-Center)	Material	Stainless Steel, Acryl	Dimensions	OD 300W x 275D x 290 mmH ID 200W x 240D x 230 mmH	Weight	Approx. 2kg
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SGS-003 SHOCK GENERATOR SCRAMBLER	
Shock Current	0.5, 0.6, 0.8, 1.0, 1.3, 1.6, 2.0, 2.5, 3.0, 4.0mA RMS
Range	x1, x0.1
Compliance Voltage	AC 1400Vp-p 50/60Hz
Scramble	9 line multi-scramble by logic control
Input	5-24V DC or Contact
Output Timer	Remote Mode : output time control by external input
Output Connector	20P square connector for scramble output
Dimensions	300W x 270D x 100 mmH
Weight	Approx. 5kg
Power	100V AC 50/60Hz

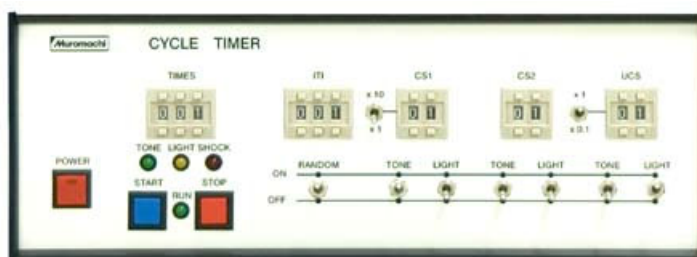


SGS-003 Shock Generator Scrambler

Newly developed SGS-003 Shock Generator Scrambler has made it possible to give an animal a stable electrical shock by the adoption of the high-voltage AC type and logically controlled multi-scrambler. The shock current will be precisely delivered to an animal on the floor grid even if it is a short-time stimulation.


Output current can be set for the range of 50 uA-4mA and output duration can be controlled by CBX-CT Cycle Timer.

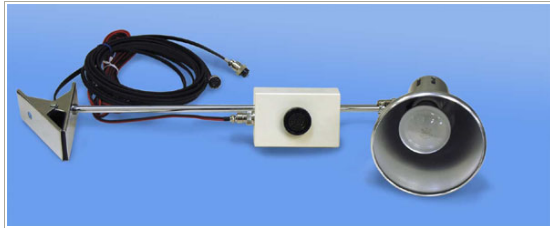
CBX-CT CYCLE TIMER			
Setting	By digital SW, toggle SW		
Digital SW	TIMES	1-1000	Number of Cycle
	ITI	1-199	Waiting Period (sec)
	CS1	0-190	Warning Period (sec)
	CS2	0-19	Warning Period (sec)
	UCS	0.1-19	Stimulation Period (sec)
Toggle SW	TONE(CS1, CS2, UCS) ON/OFF of TONE output  LIGHT(CS1, CS2, UCS) ON/OFF of LIGHT output		
START SW	Starts the preset program		
STOP SW	Stops the program (Double Click)		
Display	LED ( RUN, TONE, LIGHT, SHOCK )		
Output	Open Collector (30V DC 30mA)		
Dimensions	320W x 230D x 120 mmH		
Weight	Approx. 3kg		
Power	100V AC 50/60Hz 1A		



CBX-CT CYCLE TIMER

Random cycle function is included.

CSC-001 CS CONTROLLER		
	CS1	Stimulus Tone(2.9Hz Tone Generator) Tone volume adjustable with variable resistor (24VDC)
	CS2	Stimulus Light (AC100V) Electric power adjustable with variable resistor (200W max.)
	Dimensions	320W x 230D x 80mmH
	Weight	2.5 kg
	Power	100VAC 50/60Hz 3A

MCS-01 CLIP-MOUNT CS PRESENTATION UNIT		
	Height	60 cm
	Weight	1 kg

Specifications are subject to change without notice.