

## MODEL MK-725

# LOW-COST MULTI-CHANNEL RUNNING WHEEL SYSTEM FOR MICE



**MK-725/04 ( 4ch System )**

MK-725 Low-Cost Multi-Channel Running Wheel System is designed to measure spontaneous activity levels of mice accurately and is suitable for a quantitative measurement over a long period of time. The plastic wheel is equipped with a sensor which detects the revolving of the wheel. The wheel is located in a home cage and mice can freely access to the wheel. A fully automatic measurement can be done using a CompACT AMS Ver.3 Data Collection Software. The system can be configured from 4ch ( minimum ) up to 64ch ( maximum ).

The system configurations are as follows:

**A. MK-725/04 ( 4 channel system )**

|  |   |
|--|---|
| ● MB-725 Running Wheel                                   | 4 |
| ● MC-725 Mouse Home Cage                                 | 4 |
| ● JB-08A Junction Box                                    | 1 |
| ● CompACT AMS Ver3 Data Collection Program               | 1 |
| ● DI-008W Data Interface ( Can be used up to 8 channel ) | 1 |

**B. MK-725/08 ( 8 channel system )**

|  |   |
|--|---|
| ● MB-725 Running Wheel                                   | 8 |
| ● MC-725 Mouse Home Cage                                 | 8 |
| ● JB-08A Junction Box                                    | 1 |
| ● CompACT AMS Ver3 Data Collection Program               | 1 |
| ● DI-008W Data Interface ( Can be used up to 8 channel ) | 1 |

**C. MK-725/16 ( 16 channel system )**

|   |    |
|---|----|
| ● MB-725 Running Wheel                                    | 16 |
| ● MC-725 Mouse Home Cage                                  | 16 |
| ● JB-08A Junction Box                                     | 2  |
| ● CompACT AMS Ver3 Data Collection Program                | 1  |
| ● DI-016W Data Interface ( Can be used up to 16 channel ) | 1  |

**D. MK-725/32 ( 32 channel system )**

|   |    |
|---|----|
| ● MB-725 Running Wheel                                    | 32 |
| ● MC-725 Mouse Home Cage                                  | 32 |
| ● JB-08A Junction Box                                     | 4  |
| ● CompACT AMS Ver3 Data Collection Program                | 1  |
| ● DI-032W Data Interface ( Can be used up to 32 channel ) | 1  |

**E. MK-725/64 ( 64 channel system )**

|   |    |
|---|----|
| ● MB-725 Running Wheel                                    | 64 |
| ● MC-725 Mouse Home Cage                                  | 64 |
| ● JB-08A Junction Box                                     | 8  |
| ● CompACT AMS Ver3 Data Collection Program                | 1  |
| ● DI-064W Data Interface ( Can be used up to 64 channel ) | 1  |

**NOTE:** A personal computer is required to run the system, but not included in the system price.

## CompACT AMS Ver. 3 DATA COLLECTION SOFTWARE

Pulse data sent out from running wheels will be collected and stored into Data Interface and sent to a personal computer for data analysis. Since all the measurements can be controlled by the Data Interface, a personal computer can be used even for another application once the measurement gets started.

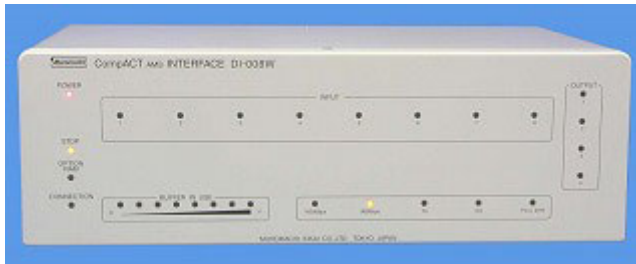

### MAIN FEATURES


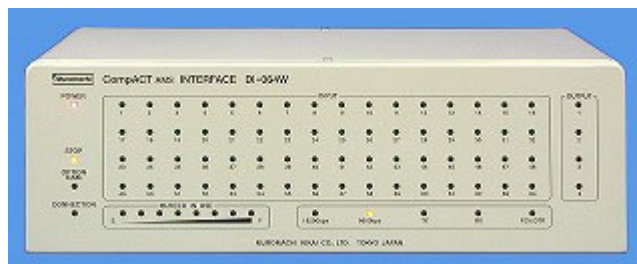
- All the channels can be started at the same time.
- Each channel can be started separately.
- Multiple channels can be started by the group.  
(Up to 32 groups can be registered.)
- Sampling time can be preset for the range of 1 - 60 min.
- Designated multiple data files can be saved as a CSV file.
- Light-Dark cycle can be controlled at the user's discretion.
- Timer-Start & Timer-Stop function enables a fully automatic measurement.
- Data Interface is available in four ( 4 ) models ( 8ch, 16ch, 32ch and 64ch ) depending upon user's application and budget.



### SPECIFICATIONS

| MB-725 RUNNING WHEEL               | MC-725 MOUSE CAGE                      |
|------------------------------------|--|
| Output : Contact                   | Water Bottle: Optional                 |
| Material : Plastic                 | Material : PC with Stainless Steel Lid |
| Dimensions : 120W x 80D x 145 mm H | Dimensions : 280W x 450D x 157 mm H    |
| Weight : Approx. 150 g             | Weight : Approx. 2 kg                  |

| DI-08W Data Interface   | DI-016W Data Interface   |
|---|--|
| Input : 8ch ( 8ch modular connector x 1 )   | Input : 16ch ( 8ch modular connector x 2 )   |
| Output: Light Control x 4   | Output: Light Control x 4  |
| Communication: RS232C   | Communication: RS232C  |
| Buffer RAM: 512kB (2MB optional)  | Buffer RAM: 512kB (2MB optional)   |
| Dimensions : 330W x 215D x 105 mm H   | Dimensions : 330W x 215D x 105 mm H  |
| Weight : Approx. 4 kg   | Weight : Approx. 4 kg  |
|  |  |

| DI-032W Data Interface  | DI-064W Data Interface   |
|---|--|
| Input : 32ch ( 8ch modular connector x 4 )  | Input : 64ch ( 8ch modular connector x 8 )   |
| Output: Light Control x 4   | Output: Light Control x 4  |
| Communication: RS232C   | Communication: RS232C  |
| Buffer RAM: 512kB (2MB optional)  | Buffer RAM: 512kB (2MB optional)   |
| Dimensions : 330W x 215D x 105 mm H   | Dimensions : 330W x 215D x 105 mm H  |
| Weight : Approx. 4 kg   | Weight : Approx. 4 kg  |
|  |  |

Specifications are subject to change without notice.