

The WS-1 is all about efficiency and elimination of human error by having a user-friendly software and storing data safely on database. The weight station automatically scans RFID tagged animals when weighed and reports the scan ID to the HM02Lab software together with the weight data. This way bodyweight is entered into the HMBase database directly associated to the animal in question. Dose calculation feature is also included, which is really helpful when dosage is calculated from the animals' bodyweight.

## Benefits

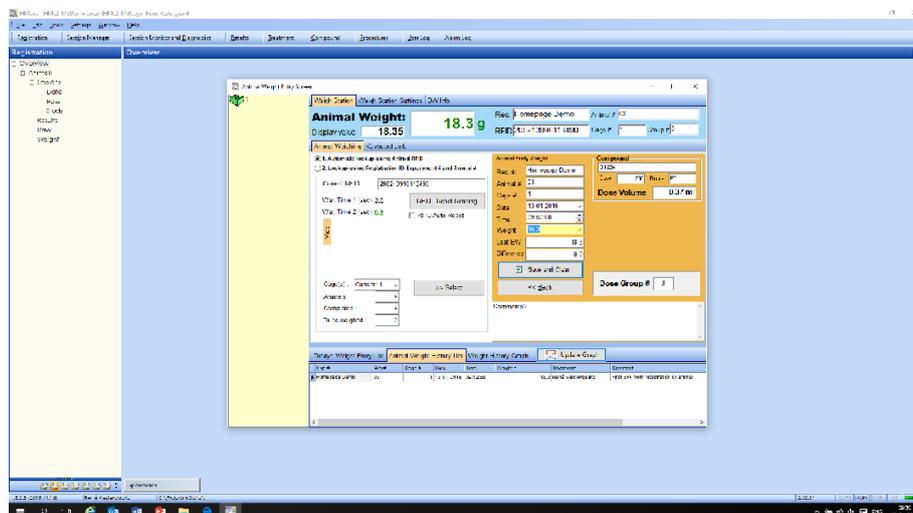
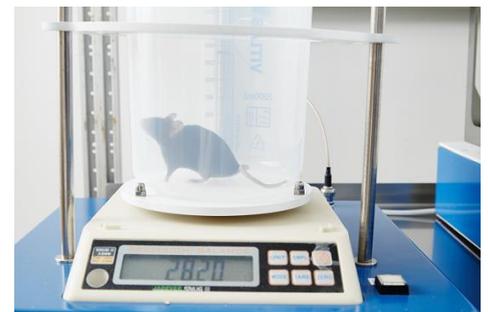
- Designed for automated bodyweight measurements.
- Safe dose calculation function.
- View specific animal bodyweight history direct and discover de- or increase.
- Allows uninterrupted correlation between animal bodyweight and ID, directly stored in the database.
- ISO FDXB RFID tag identification of animal directly at scale.
- Integrated SNUG 1500 standard scale.
- Single USB connection connects RFID and scale to Lab-PC.
- LCD Backlight display, RFID LED indicator.
- Auto calibration and software TARE function.

## Bodyweight entered directly into the database

The WS-1 automatically weighs and scan RFID tagged animals and sends information to the HM02Lab application that directly associates the received data with the specific animal being weighed. This way human error is eliminated and the weighing process made efficient and fast.

## Other features

You can see the given animals' bodyweight history direct, to discover any de- or increase and even redo the weighing procedure, if you think the data is incorrect and just overwrite the previous data. The software secures that the same animal cannot be measured again within a given time. The software will tell you the animal already has been weighed and asks if you want to overwrite or cancel.



## RFID for identification

Radio-frequency identification (RFID) uses electromagnetic fields to automatically identify and track tags/transponders attached to an object. The tag contains an electronic stored identification code. RFID in our field of work is a passive identification system, which means that the tag will only revile its identity when asked from a reader. The reader supplies the energy for the tag to go active and picks up the identification code.



The animals are identified using ISO FDXB RFID tags, e.g. DataMars®, Pet-ID®, e-Vet®. Tagging is a safe way of identifying individual animals and integrated with MBRose HM system it can secure a fully automated tracking of animals through the entire experiment.

Parameter	Abbreviation	Value	Unit	Note
Load capacity	Lmax	1000	g	
Load resolution	Lres	10	mg	
Load accuracy	Lacc	50	mg	
RFID reader frequency	F <sub>RFID</sub>	134.2	kHz	ISO FDXB
Cable connection	Con-Phys	USB		USB 1.0
Weight of station	WWS-1	5	kg	

