WS-2 *Product Brief*

MBR🔵se

The WS-2 is all about efficiency and elimination of human error by having a user-friendly software and storing data safely on database.

The workflow is passing the animal by the antenna, the equipment automatically scans RFID tagged animals, when placed in the container on the scale. Weigh and scan ID is sent to the HM02Lab software. Bodyweight is entered into the HMBase database directly associated to the animal in question.
If the dose calculation feature is enabled for the specific animal, the software will from the bodyweight calculate the correct amount of compound to give. This makes your process very quick and safe.

The WS-2 has all the same features as the WS-1. The main difference is that you select your own scale to put into the system. Only requirement is a data output port (RS232) on it.

Benefits
- Select your own brand of scale for the system
- Designed for automated body-weight measurements.
- Safe dosage 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 by the scale.
- RFID antenna installed on a flexible arm for optimal adjustment of workplace
- Single USB connection connects RFID and scale to Lab-PC.
- RFID LED indicator.

Bodyweight entered directly into the database
The WS-2 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.
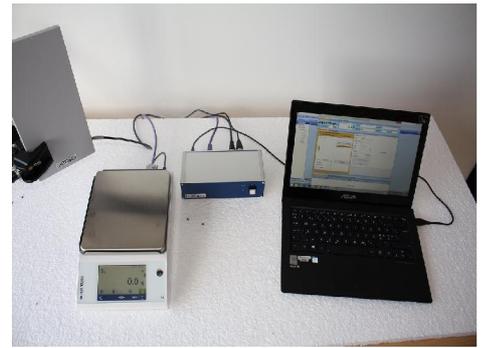
Other features
You can see the given animals´ bodyweight history direct, to discover any de- or increase and even redo the weighing procedure, if you think the data is incorrect and just overwrite the previous data. Another function is the software secures that the same animal cannot be measured again within a given time. The software will tell you that the animal already has been weighed and asks if you want to overwrite or cancel.
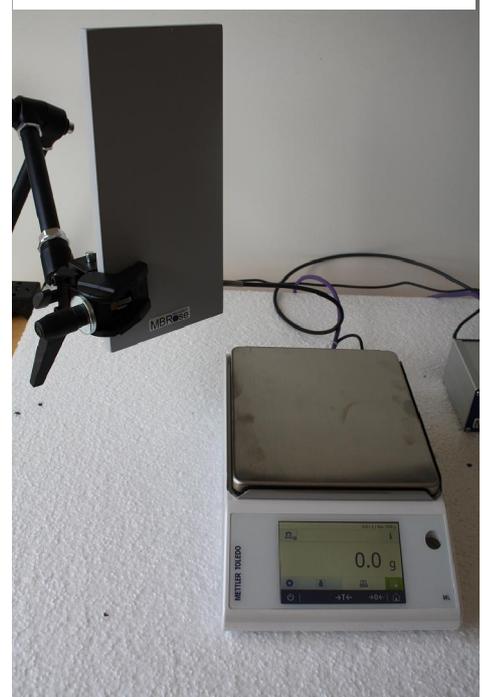
RFID for identification
Radio-frequency identification (RFID) uses electromagnetic fields to automatically identify and track tags/transponders attached to an object. The tag contains an electronic stored identification code. RFID in our field of work is a passive identification system, which means that the tag will only revile its identity when asked from a reader. The reader supply 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.

Complete WS-2 setup

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Controller unit

MBRose ApS, Bymarksvej 15, 5600 Faaborg
Tel. +45 6361 0030 E-mail: info@mbrose.dk
www.mbrose.dk