WS-1 Product Brief

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The WS-1 weigh station automatically scans RFID transponder tagged animals when weighed and reports the scan ID to the HM02Lab software together with the weigh information. This way the Body Weight is entered into the HMBase database directly associated to the animal in question.

Research Applications

- Food intake systems
- Obesity and diabetes 2 drug development
- Toxicology studies
- Efficient identification for large scale

Benefits

- Designed for automated Body Weight measurements
- Allows uninterrupted correlation between animal weight and –ID, directly stored in the database.
- ISO FDXB RFID tag identification of animal directly at scale
- SNUG 1500 standard scale
- Single USB connection connects RFID and scale to Lab-PC
- LCD Backlight display, RFID LED indicator
- Auto calibration.

Body Weight 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.

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.

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

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