WS-1 Weigh station

The WS-1 weigh station automatically scans RFID transponder tagged animals when wheiged and reports the scan ID to the HM02Lab software together with the weight 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
- Allow 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 scans RFID tagged animals and sends information to the HM02Lab application that directly associated the received data with the specific animal being weighed. This way human error is eliminated and the wighing proces made efficient and fast.

The animals are identified using ISO FDX-B RFID tags, UNO ISO MICRO-ID etc. Tagging is a safe way of identifying individual animals and integrated with HM System it can secure a fully automated tracking of animals through the entire experiment.

WS-1 Weigh station

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	