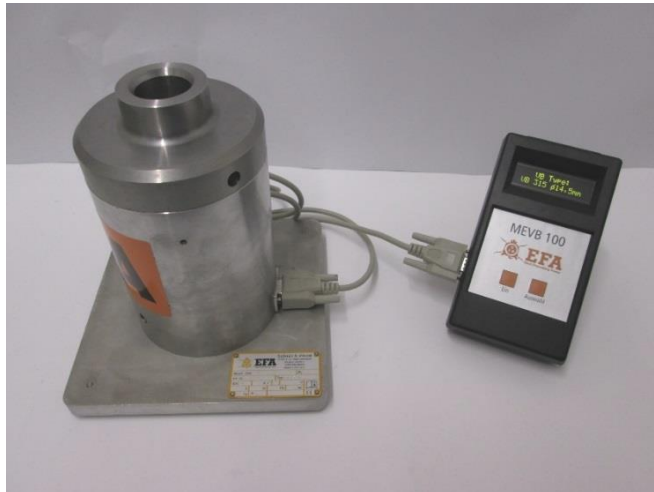


Translation of the original operating manual

**Measuring
instrument
for cattle
stunners**

MEVB 100



Important Information: Please forward these operating instructions to your operating personnel!

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Table of contents

1	Safety instructions	3
1.1	Symbols used in this manual	3
1.2	Operational safety and general information	3
2	Setting the measuring instrument MEVB 100	3
2.1	Switching on the evaluation unit	3
2.2	Placing the cattle stunner in the guide of the attachment	4
2.3	Testing cattle stunners	4
2.4	Evaluation of the test	5
3	Repairs and maintenance	5
3.1	Releasing the attachment	5
3.2	Screwing on the attachment	5
3.3	Changing the sensors	6
A	Appendix	7
A.1	Technical data	7

1 Safety instructions

Please read the instructions carefully!

This manual is intended for the instrument operator.

Keep it in a safe place!

1.1 Symbols used in this manual

Danger symbol:



This symbol is used for situations where extreme caution is advised. Non-compliance results in an imminent risk of injury for the operating personnel and/or third parties. The machine can also be damaged.



Information symbol:

Sections that are marked with this symbol provide important information and useful tips.

1.2 Operational safety and general information

The measuring instrument is operated with 4 commercially available 1.5 V AA batteries. No dangers are posed by this device. The bracket cpl. must be placed on a firm and safe surface. The workplace must be at least 1.5 sq. metres in size and be illuminated with at least 500 lux. The spring balancer for the cattle stunner to be tested should be attached directly above the bracket cpl. (here please also observe the corresponding safety instructions in the operating manual of the cattle stunner). The measuring instrument is maintenance-free and does not require any special cleaning. Store the measuring instrument in a clean and dry place. The measuring instrument is built according to the state of the art and complies with the regulations of the German Butchers' Trade Association. Unauthorised changes and modifications to the machine are not permitted for reasons of operational safety and, any such changes are made, S&W's guarantee and liability shall be invalidated.



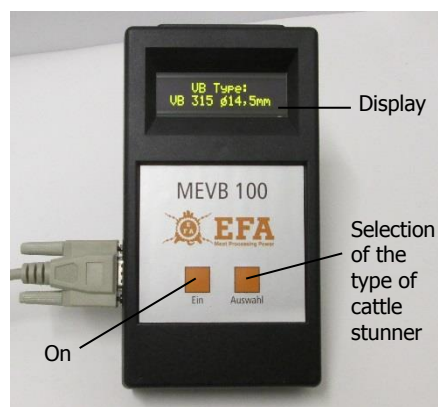
The device weighs approx. 15 kg. When setting up and transporting the device, ensure that you maintain a correct bodily posture.

2 Setting the measuring instrument MEVB 100

Individual parts of MEVB 100



Explanation of the evaluation unit functions



The evaluation unit switches itself off after 1 minute

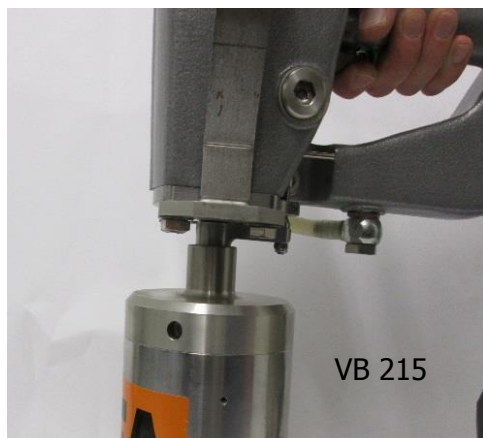
2.1 Switching on the evaluation unit

Connect the connection cable (A) to the evaluation unit (AWG) and bracket cpl., and press the ON pushbutton switch. After switching on, the device carries out a self-test for operational safety. After the sensors have been checked, the preset type of cattle stunner (default: VB 215) appears on the display. By pressing the SELECT button, the desired type of cattle stunner can be set. Press the SELECT switch repeatedly until the desired type of cattle stunner appears on the display. **The measuring instrument MEVB 100 is now ready for use.**

2.2 Placing the cattle stunner in the guide of the attachment



Insert the cattle stunner vertically into the guide of the attachment. Avoid tilting the cattle stunner. This is the only way to obtain a correct evaluation result.



2.3 Testing cattle stunners



Test of the VB 115; VB 125; VB 215; VB 225

with 8 bar



Test of the VB 315 and VB 316 **with 14 bar**

Connect cattle stunners to the compressed air network and attach them to a spring balancer. Insert the cattle stunner into the guide pipe of the attachment, then press the trigger lever (simulating a "real" stunning shot).

2.4 Evaluation of the test



After the shot, the display of the evaluation unit shows an

-OK- or an **-ERROR-**

-OK- = cattle stunner is functional and safe; stunning value is reached.

Flashing -ERROR- = measurement result is too low; stunning value was not reached.

Continuous -ERROR- = there is another error.

If **-ERROR-** is displayed, repeat the test to obtain a reliable evaluation.

If **-ERROR-** also appears in a repeat test, see the following list of malfunctions.

List of malfunctions

Possible error	Remedy
Wrong selection in evaluation unit	Check setting, correct if necessary
Wrong attachment on bracket	Compare the label on the attachment with the cattle stunner you are testing, and change the attachment if necessary
Fault at the compressed air connection	Check couplings and connections; correct pressure!
Seal kit in cylinder barrel defective	Check the seal kit and replace it, if necessary
Piston defective	Replace piston
See also operating manual of cattle stunner	

If no faults are detected here either, the cattle stunner must be checked by S&W.

The calibration of the MEVB 100 must be checked every 2 years by S&W. The device must be delivered to S&W for this purpose.

3 Repairs and maintenance



Our Service department is at your disposal for any repairs. Please contact the nearest authorised service centre or our head office.

3.1 Releasing the attachment



To change the attachment, insert mandrels into the opening of the bracket cpl. and unscrew the attachment.

3.2 Screwing on the attachment

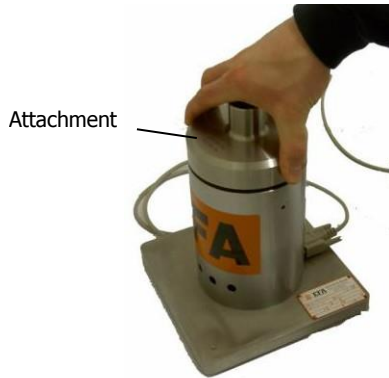


Screw on the new attachment and tighten with the mandrels. **There are no torque values specified.**



Which attachment has to be used for which cattle stunner is clearly indicated on the top of the attachment in question.

3.3 Changing the sensors



To change the sensors, first loosen the connection cable and unscrew the attachment.



Then loosen the 4 M8 screws on the underside of the plate and remove the bracket cpl. from the plate.

To remove the sensors, loosen the M6 screws on the top of the bracket cpl. Now the sensors can be pulled out in one.

Assembly in reverse order.

A Appendix

A.1 Technical data

Name	Unit	Performance characteristics
Power supply	Volt	4 x 1.5 V AA cells
Weight	kg	approx. 15 kg