

Datasheet and Safety Instructions

Normally no maintenance work is necessary. After each measurement, the equipment should be cleaned with a dry cloth. Any cleaning products or solvents leaking into the casing may damage the equipment. If there is a problem with your Egg-Shell-Tester or if any part of the equipment seems to be defect, please contact the following address:



Bröring Technology GmbH
Gewerbering 4
49393 Lohne
Germany
Phone: +49 4442 910436
E-mail: info@broeringtech.com
www.broeringtech.com

Specifications:

Designation:	Fast-Egg-Shell-Tester Ver. 2
Power supply:	12 V DC, 1 A, external power supply
Power consumption:	about 5 Watt
Protection:	IP40, protection against contact
Operating Temp.:	10 ° C to 45 ° C, Storage 0 to 60 ° C
Humidity:	max. 90% non-condensing
Dimensions:	300 x 100 x 130 mm (w, h, d)
Weight:	5.5 kg
Accessories:	AC adapter (output 12V/1A, input 100-240 V / 50-60 Hz) manual carrying case
Optional:	Bluetooth Interface reloadable Battery receipt printer with data cable data cable for PC adaptor RS232 to USB software CD pedal switch calibration weight 1 kg



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Safety:

This device fulfills the conditions of 2004/108/EC (Electromagnetic Compatibility) and 2006/95/EC (Low Voltage) as amended by 93/68/EC (CE marking).

The device is electronically and mechanically secured in such a way that there is no risk of injury from the mechanism during normal operation. Nevertheless, it should be avoided to touch the mechanism when the engine is running.

Important notes regarding the Egg-Shell-Tester in battery operation

The battery pack of the Egg-Shell-Tester consists of 10 Eneloop AA NiMH Cells with a capacity of about 2 Ah.

About 2000 eggs can be tested with a fully charged Egg-Shell-Tester in battery mode.

Only use the included 12 V 1000 mA power plug to charge the battery pack. Do not use any other power supplies. Using a different power plug can lead to damage on the Egg-Shell-Tester.

After being idle for some time, the Egg-Shell-Tester displays the current voltage of the battery pack. The voltage should be around 12 V to 14 V.

To recharge the Egg-Shell-Tester, simply plug in the included power plug. The Egg-Shell-Tester will charge even if it is off. To stop the recharging, remove the power plug from the Egg-Shell-Tester.

It is also possible to use the Egg-Shell-Tester with a connected power supply. For that, the voltage should be at least 12 V. When the voltage drops below 12 V, an error message is displayed.

The Egg-Shell-Tester is equipped with an overcharge protection. Still it is recommended to unplug the power supply when the battery is fully charged.

A reduced battery life indicates that the battery pack has a malfunction. Do not charge the Egg-Shell-Tester when this happens. The battery pack has to be replaced.

Safety Warnings:

Battery packs are potentially dangerous and should not be used when they are damaged.

- Only use the included power supply to charge the Egg-Shell-Tester.
- Do not use the Egg-Shell-Tester when the battery pack has a malfunction.
- It takes about 12 hours to charge the device when the battery is flat. Unplug the power supply when the battery is fully charged.

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Declaration of conformity

Konformitätserklärung für Geräte mit CE-Zeichen
Deklaracja zgodności dla urządzeń ze znakiem CE
Déclaration de conformité pour appareils portant la marque CE
Declaración de conformidad para aparatos con marca CE
Dichiarazione di conformità per apparecchi contrassegnati con la marcatura CE

Konformitätserklärung: Wir erklären hiermit, dass das Produkt, auf das sich diese Erklärung bezieht, mit den nachstehenden Normen übereinstimmt.

Declaration of conformity: We hereby declare that the product to which this declaration refers conforms with the following standards.

Declaración de conformidad: Manifestamos en la presente que el producto al que se refiere esta declaración está de acuerdo con las normas siguientes

Déclaration de conformité: Nous déclarons avec cette responsabilité que le produit, auquel se rapporte la présente déclaration, est conforme aux normes citées ci-après.

Dichiarazione di conformità: Dichiariamo con ciò che il prodotto al quale la presente dichiarazione si riferisce è conforme alle norme di seguito citate.

Digitales Messsystem: EggQuality

EMV-Richtlinie 2004/108/EG EN 55022:2010 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2008 EN 55024:2010

Lohne, Jan. 1, 2023

