



Battery-Filler DC-800



Main advantages of the DC-800:

- The alkaline solution is no longer diluted, because the cells are only filled up to the correct level and no liquid is removed from the cells.
- The added water volume per cell is saved on a USB stick which reduces the time for the documentation according to the CMM.
- The data on the USB stick can be processed digitally thus enabling a fast paperless test report.
- In contrast to other electrical devices the DC-800 operates without any secondary connections (power- and water supply).
- Calibration by user with optional calibration kit possible.



1.0 Function Description

1.1 General Information

Modern battery technology cannot work without reliable, easy to use and absolutely accurate service devices. The requirements of professional users are clearly defined: Precise measurements, logging enabled measurement series, network-independent use, robust technology and reliable performance even under worst environmental conditions. Our answer to these requirements clearly defined as well: **DC-800**. The mobile filling system is specifically designed for industrial applications - high everyday practicality and outstanding features are the characteristics that differentiate this device.

The **DC-800** is a portable device that allows setting the predetermined electrolyte level of a battery cell clean, fast and easy. The setting of the **DC-800** is carried out by three buttons on the hand-part of the device.

With its flexible power supply via batteries the **DC-800** is especially suited for mobile use.

1.2 Accessories / Spare Parts

1.2.1 DC-800 Tool Box

We offer the most major Syringe Assy / Syringe Tip / Nozzle to a corresponding filling attachment for the DC-800. We combined these spare parts into sets to a very reasonable price.

P/N:	Description:
DC-800S	Tool Box Saft
DC-800M	Tool Box Marathon
DC-800V	Tool Box Hawker (Varta)
DC-800SMV	Tool Box Saft, Marathon & Hawker



P/N: DC-800SMV

1.2.2 DC-800 Calibration Accessories

With the calibration set the annual calibration can be done by the user on site

P/N	Description
DC-800-KAL	Calibration-Set for DC-800



2. Technical data

- Measuring range 0-999,9 ml
- Resolution 0.1ml
- Measurement accuracy +/- 1 ml
- Power Supply built-in Lithium-ion battery
- Battery Charging charging socket on the side of the housing
- Operating time depending on the water pump operating time, approx. 8 hrs.
- Calibration once a year
- Operating temperature +10°C to +30°C / 80% RL max. (no condensation)
- Storage temperature +10°C to +40°C / 80% RL max. (no condensation)
- Dimensions (wxdxh) 450 x 160 x 300 mm (w x d x h)
- Weight 3,0 kg (filled water bottle)

3. Example for a series of measurements

nachgefüllte Flüssigkeitsmenge <i>added water volume</i>	
Cell 1	17,2 ml
Cell 2	16,2 ml
Cell 3	15,9 ml
Cell 4	14,8 ml
Cell 5	13,9 ml
Cell 6	17,2 ml
Cell 7	18,6 ml
Cell 8	16,1 ml
Cell 9	9,7 ml
Cell 10	8,9 ml
Cell 11	10,4 ml
Cell 12	15,2 ml
Cell 13	8,6 ml
Cell 14	10,5 ml
Cell 15	9,0 ml
Cell 16	18,1 ml
Cell 17	8,6 ml
Cell 18	10,2 ml
Cell 19	11,3 ml
Cell 20	13,4 ml
MIN	8,6 ml
MAX	18,6 ml
Average	13,2 ml

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4. Notes