

Find out what's going on: With the new digital BPW ECOMETER for ECO Plus 2!

The launch of the ECO Plus 2 axle series in **September 2007** will be accompanied by a more advanced, digital BPW ECOMETER. As well as the new hub cap design with a bayonet lock, the ECOMETER has also had its display unit revised. The formerly visible contacts have been moved into the inside of the ECOMETER and are therefore extremely well protected against contamination. Inadvertent activations are not possible. The more technically advanced BPW ECOMETER is also suitable for hazchem vehicles.

Features of the digital BPW ECOMETER for ECO Plus 2:

- Sensor contacts and the display unit are fully protected behind a plastic window. Activation is performed without touching. Any electrically conductive material (e.g. metal ballpoint pen) is suitable for actuating the contacts
- The distance travelled (in km), the rolling circumference and the battery charge level are displayed
- The PCB is located inside the cap. It is sealed in plastic to ensure it remains water-tight and to protect against damage
- The wheel circumference is set on the display unit (default setting 385/65 R 22.5)



The digital BPW ECOMETER for ECO Plus 2 offers the following **advantages**:

- Accessory approved to GGVS (regulation governing the transportation of hazardous materials)
- Only one type for all tyre sizes
- More accurate than a mechanical ECOMETER
- Also clearly legible in the dark
- Tamper proof
- Maintenance-free and long-life
- Tyre mileage checking

Refer to the installation and operating instructions (no. 04.001.21.25.0) for more information.

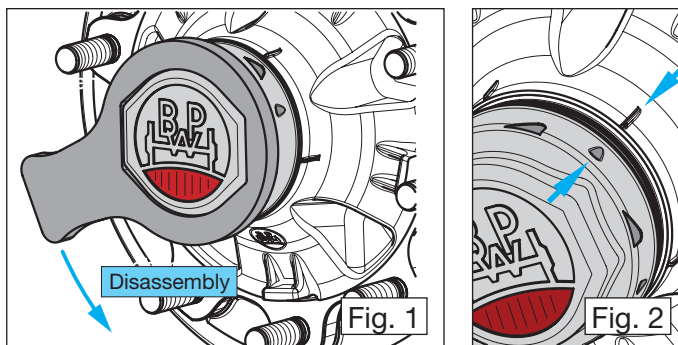
Designation	BPW order no.	Remarks
Digital BPW ECOMETER	05.212.75.05.0	for ECO Plus 2 (not compatible with previous versions)
Replacement battery	02.0130.97.00	Minimum operating life approx. 5 years
Socket for hub cap	03.339.05.07.0	suits hub cap with bayonet lock (120 mm)



The bayonet lock of the new ECO Plus 2 hub caps replaces the former screw connection. A 120 mm spanner is required for installation and removal (BPW code number 03.339.05.07.0, see also publication BPW-WP 1218...e). **Impact drivers must not be used for removing and installing hub caps or ECOMETERs with a bayonet lock!**

Removal of the hub cap or ECOMETER cap

Turn the spanner approx. 30° anticlockwise when removing the hub cap or ECOMETER cap (Fig. 1). The hub cap lifts directly off the hub seat in this position. The released position is additionally indicated by corresponding marks on the hub cap or wheel hub (Fig. 2). In the released position, the hub cap can be pulled off the wheel hub axially.

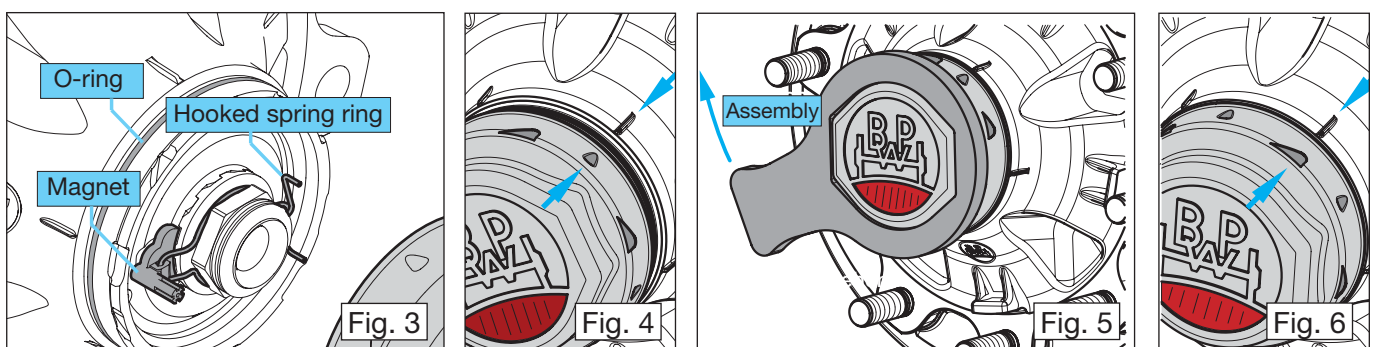


Installation of the ECOMETER (supplied package: Digital ECOMETER, hooked spring ring with retaining key and magnet, O-ring)

During installation, the hooked spring ring on the axle (with retaining key) is replaced by the hooked spring ring (with retaining key and magnet) supplied. The correct installation position of the components is shown in Fig. 3 (see also installation and operating instructions no. 04.001.21.25.0).

The seal between the hub cap and the wheel hub in the ECO Plus 2 wheel bearing is provided by an O-ring (Fig. 3). The pre-installed O-ring is replaced by a new (supplied) O-ring as part of the installation. The ECOMETER hub cap itself must have a thin coat of ECO-Li^{Plus} applied to the area of the bayonet lock before installation.

Installation of the ECOMETER is facilitated by corresponding marks on the ECOMETER or wheel hub (Fig. 4). Fig. 5 shows the push-on position of the hub cap with the spanner in place. After pushing on, turn the hub cap clockwise whilst at the same time maintaining the axial pressure. The position in Fig. 6 shows the firmly seated position.





As well as the digital version, the mechanical BPW ECOMETER is also being changed to suit the new hub cap with a bayonet lock.

Tyre size	BPW order no. mechanical ECOMETER	Rolling circumference in mm
385/65 R 22.5	05.212.25.75.0	3240 - 3260
385/55 R 22.5 315/70 R 22.5	05.212.25.73.0	3015 - 3134
445/45 R 19.5	05.212.25.72.0	2730
11.00 R 22.5	05.212.25.74.0	3175 - 3220

The mechanical version is removed and installed in the same way as the digital ECOMETER. However, the original hooked spring ring, retaining key and magnet are re-fitted.



All information about the BPW ECOMETER for ECO Plus 2 wheel bearings can also be found on the BPW website at www.bpw.de.