

## Test Instrument Combicheck



Ident.-Nr. 12.7231.000

Use the HAUG Combicheck to test the functional efficiency of your HAUG power packs and ionizing units

## Description of unit

Figure 1

1. Probe
2. LED – power pack
3. LED – ionizing bar
4. Pushbutton
5. Selector switch (power pack/ionizing bar)

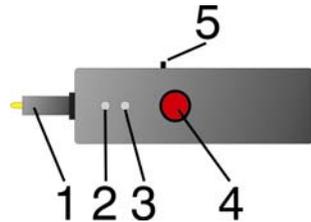
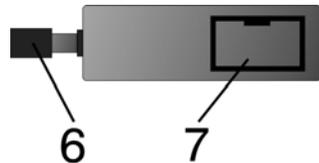


Figure 2

6. Cap
7. Battery compartment



## Intended use

The Combicheck is a test instrument intended for HAUG power packs and ionizing units. It is not suitable for testing HAUG charging generators and charging units.

The Combicheck allows the required minimum voltage at the HV terminal of the power pack to be checked. The minimum voltage is required for proper ionization.

The Combicheck checks the ionizing unit for short-circuits.

## Putting into operation



### ATTENTION!

**Make sure that the probe is kept clean and dry at all times!**

**Leave the protective cap (moisture protection) on the probe while the Combicheck is not in use!**

1. Unpack the Combicheck and the monobloc battery included in the delivery.
2. Open the cover of the battery compartment at the rear of the Combicheck.
3. Connect the monobloc battery to the battery clip.
4. Insert the battery, and close the cover of the battery compartment.
5. Check the function of the Combicheck. When the pushbutton is pressed, one of the two LEDs must light up red.

## Application



### ATTENTION!

**Check the function of the Combicheck before use by pressing the pushbutton (LED must illuminate)!**

### Testing of power packs:

1. Disconnect the connected ionizing units properly from the power pack.
2. Switch on the power pack.
3. Set the selector switch on the Combicheck to "Power pack".
4. Insert the Combicheck with the probe (see Fig. 1) into the high-voltage terminal of the power pack until it reaches the stop.
5. Press the pushbutton on the Combicheck.
6. If the unit works properly, the LED – power pack will illuminate green.
7. If the LED illuminates red, the minimum voltage of the power pack is too low.
8. Return the power pack for examination.

### Testing of ionizing units:

1. Testing with the Combicheck is not possible if the ionizing unit generates sparks. In this case the ionizing unit is defective.
2. Switch on the power pack.
3. Set the selector switch on the Combicheck to "Ionizing bar".
4. Bring the Combicheck with the probe (see Fig. 1) close to the ionizing pins of the ionizing unit.
5. Press the pushbutton on the Combicheck.
6. If the unit works properly, the LED – ionizing bar will illuminate green.
7. If the LED illuminates red, a short circuit is present in the ionizing unit.
8. Return the ionizing unit for examination.

### Note:

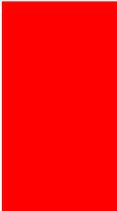
A defective ionizing unit can short-circuit the high voltage of the power pack. The high voltage cannot be checked while a defective ionizing unit is connected. The ionizing units must therefore be disconnected from the power pack. The power pack can then be checked for proper functioning. If the power pack is ok, the ionizing units can be reconnected to the power pack and checked one after another.

## Battery change

1. Open the battery compartment at the rear.
2. Replace the monobloc battery.
3. Insert the battery, and close the cover of the battery compartment.
4. Check the function of the Combicheck. When the pushbutton is pressed, one of the two LEDs must light up red.

## Technical data

|                           |                          |
|---------------------------|--------------------------|
| <b>Housing dimension:</b> | approx. 160 x 40 x 30 mm |
| <b>Power supply:</b>      | 9 Volt monobloc battery  |



made by



## **HAUG GmbH & Co.KG**

Friedrich-List-Straße 18  
D-70771 Leinfelden-Echterdingen  
Telefon 07 11 / 94 98 - 0  
Telefax 07 11 / 94 98 - 298

**[www.haug.de](http://www.haug.de)**  
E-Mail: [info@haug.de](mailto:info@haug.de)

## **HAUG Biel AG**

Postfach  
CH-2500 Biel/Bienne 6  
Johann-Renfer-Strasse 60  
CH-2500 Biel/Bienne 6  
Telefon 0 32 / 3 44 96 96  
Telefax 0 32 / 3 44 96 97

**[www.haug.de](http://www.haug.de)**  
E-Mail: [info@haug-biel.ch](mailto:info@haug-biel.ch)