



Operation

Operating Mode: Signal generation

1. Connect the Trigger-output or the Current-output of the EMP/EP-Machine with **1**.

Note: The Trigger-Output of the EMG/EP-Machine must be set to "Positive".

Any polarity is possible at using the Current-output.

2. Connect **2** with an Active (-) Input of the EMG/EP-Machine.

3. Connect **3** with an Reference (+) Input of the EMG/EP-Machine.

4. Select the Signal with **5**.

LED **6** illuminates green after 5 seconds.

The Neuro-Signal-Generator NSG1 is ready for Operation.

At every Trigger-Impulse or Current -Impulse LED **6** is shortly red.

Operating Mode: CMR-measurement

1. Short-circuit the Active (-) Input and Reference (+) Input of the EMG/EP-Machine

2. Connect the two Inputs to **3** (CMR2)

3. Connect **4** (CMR1) to GND of EMG/EP-Machine

4. Select CMR with **5**

$$CMR=20lg(1V/U_m)$$

U_m = Voltage measured at EMG/EP-Machine

Battery change

The battery case is at the bottom side.

Technical Data

- Power supply: 1x 1,5 V Alkaline-Battery AA
- Supply Current: <50 mA
- Generates Signals after positive Voltage at Trigger-Input (**1**); (TTL-Level or Current 5-50 mA)
- Trigger-Input (**1**) galvanic insulated
- Choose the following Evoked Potentials and CMR by rotary switch:
 - ABR
 - Pattern-VEP
 - SEP-Median (cortical)
 - SEP-Tibialis (cortical)
 - SEP-Tibialis (lumbal)
 - Sensible NCV
 - SEP-Trigeminus
 - CMR 50Hz 1Vss rectangle continuously ($R_i=1k\Omega$)

Dimensions: (length x width x high) 125 x 77 x 44 mm

Connectors:

Active electrode, Reference, CMR: 2mm jack

Trigger : Coaxial connector

Display: LED for "Power on"; Trigger

Error notes

Green LED ("Power on") does not shine:
No battery or wrong kind of battery

Trigger visible (LED is blinking red), but no potential visible or potential delayed: EP-Machine is set on "Negative" trigger. Set "Positive" trigger in "System conditions".

Manufacturer

Harald Krase Elektronik
Claszeile 52
14165 Berlin
Mail: harald.krase@gmx.de
Tel: +49 30 86203247



Signals

