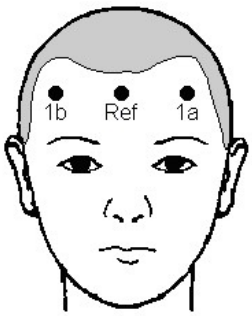
System Design

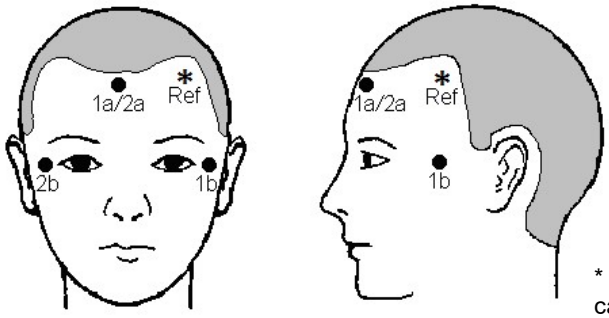
1. Connect the Narcotrend-Compact M to the power supply and switch it on.
2. Attach the electrodes to the patient (see below).
3. Connect the patient lead to the input ➡ in the front of the Narcotrend-Compact M.

- The device can be switched on by briefly pressing the on/off button on the front.
- The software is operated completely via the integrated touchscreen.
- To switch off the device, select the function POWER OFF in the software program.
- The integrated rechargeable battery allows the device to operate for approximately 120 minutes without a mains connection.

Placement of the electrodes



1-channel (PKM1)



2-channel (PKM4)

* The **Ref**-electrode **(R)** can be placed anywhere in the forehead area.

1. Apply a drop of preparation paste (0.5 – 1 ml) to a pad and treat the skin at the electrode positions carefully and thoroughly.
2. Wipe skin dry with more dry compresses.
3. Peal the protective foil off the electrode, stick the electrode onto the prepared skin, and press on around the edges.
4. Connect the patient cable to the electrodes.
5. Seal the bag with unused electrodes as airtight as possible.

⇨ **Spacing: at least 8 cm (3 in) between**

- **1a and 1b (1-channel recording)**
- **1a/2a and 1b, 1a/2a and 2b (2-channel recording)**

⇨ **Electrode impedance: < 2 kΩ (max. 8 kΩ)**

Ensure that the impedance levels are as uniform as possible.

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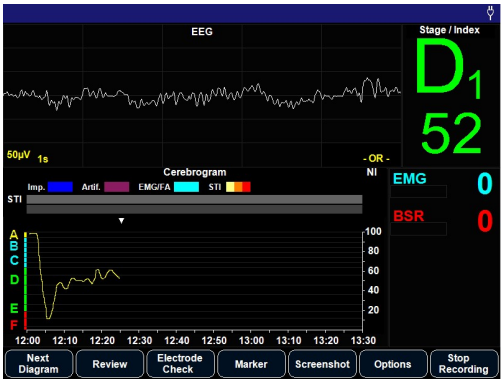
Starting a recording

Start screen

- Enter the date of birth using the keypad shown.
- Optionally, a name can be entered. To do this press the keypad symbol on the right, beside the input line for name.
- The button LAST RECORD accepts the data of the last recording in the input lines.
- Once everything is completed you can begin a new recording by pressing the button START RECORDING. The display switches to the recording screen and from now on the data is saved.

Recording screen



- The title line displays recording information (name, date of birth and age in years/months), the current date, the time and the mains/battery symbol.
- In the EEG window 5 seconds of original EEG is displayed.
- The status window (right) displays the current evaluation (stage and index), the EMG index and the BSR.
- In addition to the cerebrogram, the diagram window (bottom left) also displays other available diagrams. This can be switched via the button NEXT DIAGRAM.
- The program is controlled in recording mode via the button bar on the bottom edge of the screen.

Evaluating the recording

- On the start screen select the button REVIEW. Now all saved recordings are listed in the dialogue shown. A recording can be selected by touching it directly or via the buttons on the right beside the list. The following options are available:
- VIEW: The selected recording will be loaded and displayed.
- EXPORT: The selected or all marked recordings will be saved on a connected USB storage medium.
- DELETE: Irrevocably deletes the selected or all marked recordings from the device.