

|                                     |  |
|-------------------------------------|--|
| <b>EEG sensitivity</b>              | $\pm 450\mu\text{V}$   |
| <b>Noise</b>                        | $<2\mu\text{Vp-p}$ $<0.4\mu\text{V RMS}$ , 0.25-250 Hz             |
| <b>CMRR</b>                         | $>140\text{dB}$  |
| <b>Input impedance</b>              | $>50\text{M}\Omega$  |
| <b>Sample rate</b>                  | 1000 samples/sec(16 bits equivalent)                               |
| <b>Brain Function Index (BFI)</b>   | 0-100. Filter 1-47Hz, 1sec. update                                 |
| <b>EMG</b>                          | 0-100. Filter 30-47 Hz,1 sec. update                               |
| <b>BSR</b>                          | 0-100. Filter 2-47 Hz, 1 sec. update                               |
| <b>Signal Quality Index (SQI)</b>   | 0-100. 1 sec. update   |
| <b>EEG Waveform</b>                 | $\pm 250\mu\text{V}$ , user-adjustable, 5 sec                      |
| <b>Alarms</b>                       | Auditory and visual, user-adjustable limits                        |
| <b>Artifact rejection</b>           | Automatic  |
| <b>Sensor impedance measurement</b> | 0-30kOhm / Manual-Automatic/ measurement current $0.06\mu\text{A}$ |
| <b>Power supply</b>                 | 5 VDC  |
| <b>Power Consumption</b>            | Less than 0.5 W  |

|  |   |             |        |          |        |          |            |
|--|---|-------------|--------|----------|--------|----------|------------|
| <b>Weight</b>  | 100 gr  |             |        |          |        |          |            |
| <b>Dimensions</b>                                    | 111×64×25 mm  |             |        |          |        |          |            |
| <b>Classification</b>                                | Class I, type BF, continuous use  |             |        |          |        |          |            |
| <b>Memory</b>  | Data recording (96 hours)   |             |        |          |        |          |            |
| <b>Trend</b>   | BFI/EMG/SQI/BS, 10 sec. update  |             |        |          |        |          |            |
| <b>Environment – Operation</b>                       | <table border="0"> <tr> <td>Temperature</td> <td>5-40°C</td> </tr> <tr> <td>Humidity</td> <td>20~96%</td> </tr> <tr> <td>Altitude</td> <td>-200~3000m</td> </tr> </table> | Temperature | 5-40°C | Humidity | 20~96% | Altitude | -200~3000m |
| Temperature  | 5-40°C  |             |        |          |        |          |            |
| Humidity   | 20~96%  |             |        |          |        |          |            |
| Altitude   | -200~3000m  |             |        |          |        |          |            |
| <b>Accessories</b>                                   |   |             |        |          |        |          |            |
| <b>Cable length</b>                                  | <p>195 cm/ 77" with 35 cm/ 14" split from module to sensor connector.</p> <p>190 cm/75" from module to Vital Sign monitor.</p>  |             |        |          |        |          |            |
| <b>Electrode Producer</b>                            | Ambu Neuro Surface Electrode  |             |        |          |        |          |            |
| <b>Single Use Electrode</b>                          | Yes   |             |        |          |        |          |            |
| <b>Sensor material</b>                               | Silver/silver chloride  |             |        |          |        |          |            |
| <b>Electrode/ Skin contact size (each electrode)</b> | 30mm x 22mm   |             |        |          |        |          |            |
| <b>Adhesive area</b>                                 | 461mm <sup>2</sup>  |             |        |          |        |          |            |

|   |                   |
|---|-------------------|
| <b>Gel area/measuring area</b>                  | 95mm <sup>2</sup> |
| <b>Gel system</b>                               | Wet gel           |
| <b>Sponge</b>                                   | Polyurethane foam |
| <b>Outer adhesive</b>                           | Acrylate          |
| <b>Latex free</b>                               | Yes               |
| <b>Shelf Life (Unopened pouches, in months)</b> | 12                |
| <b>Shelf Life (open pouches, in months)</b>     | 1                 |
| <b>Skin preparation gel</b>                     | Nuprep gel        |