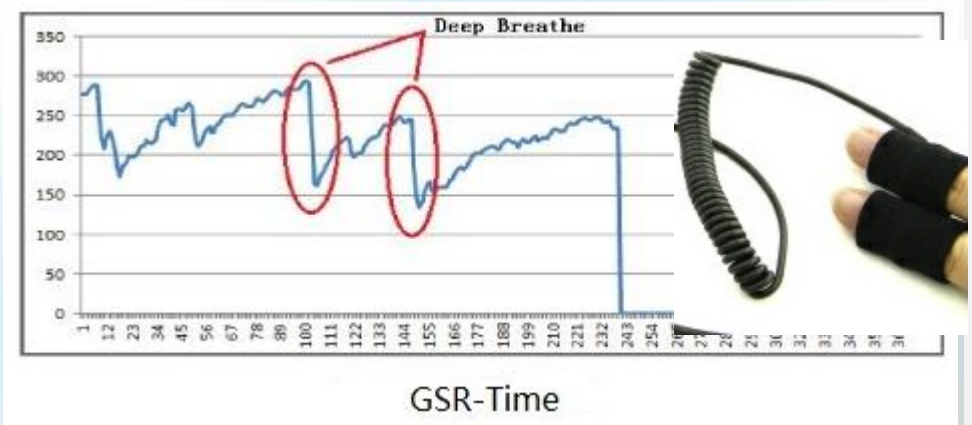
NIVIQURE

NIVIQURE 4-CHANNEL BIO-FEEDBACK SYSTEM

Model NIVIQURE-B4BF

NIVIQURE-B4BF Model: *Niviqure B4BF Bio-Feedback system is a compact unit designed to record up to 4-channel Bio-electrical potentials.*



(The above image is only representative)

1. *ECG (with 1024 samples per second per channel data acquisition for HRV – Heart Rate Variability studies; for irregular heart beat studies / warnings).*
2. *Pulse (waveform and pulse rate studies)*
3. *Respiration analysis (Chest Belt type)*
4. *Respiration analysis (Nasal type)*
5. *EMG analysis*
6. *EEG analysis*
7. *GSR studies*
8. *Phono-cardiograph analysis*
9. *Blood Pressure studies*
10. *SPO2 studies*
11. *Body temperature studies*

(The 4-channel system will be customised for any 4 parameters)

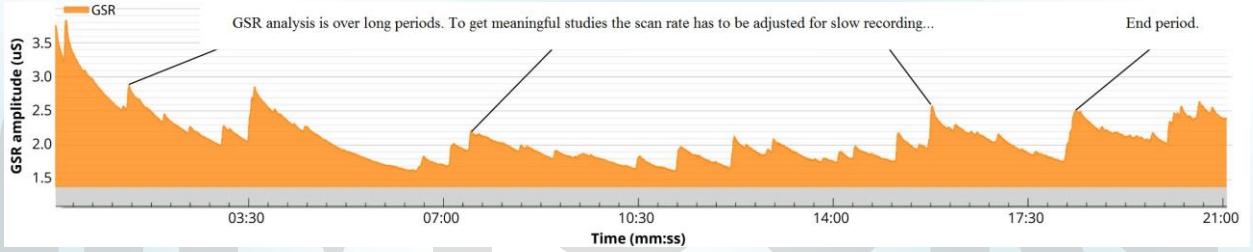
Technical Specification

- Number of channels selectable: 2 or 4 channels.
- Frequency band: 0.5 to 40 Hz.
- Optimal Zoom (Y-axis), Time (X-axis), digital filters provided..
- Sampling rate set to 1000 samples per second per channel.
- The couplers and the required transducers are interface able with the Main Unit.
- Data saving / retrieval is possible in any of the following modes:
  - On-line data display.
  - Off-line data acquisition.

Features

- Detects conductance of skin
- Finger Straps for electrodes

- **Can be used with computer and / or Android Smartphone Tablet / phone.**



(Representative image of GSR waveform. For illustration only)

When sampled at normal viewing rate (125 s/s):

- Low pass filter settings: 0.08 to 40 Hz → taking into account Nyquist criteria;
- High pass filter settings: 15 to 40 Hz → taking into account Nyquist criteria;
- Notch filter (50 Hz) → not applicable for this lowest sampling rate.
- **For sampling rate > 125 s/s → High Pass / Low Pass / Notch filter settings are applicable for offline saved data (SD card saved data analysis with PC).**
- Lowest setting of Low Pass Filter is preset by Hardware → 0.05 Hz.
- Higher end value of HP / LP is restricted through sampling rate and DSP algorithm.

- Sampling rate: 1000 samples per second per channel during storage in micro-SD card. 125 samples per second for viewing online screen.
- Micro-SD card storage memory: 2 Gb.

Designed, developed and manufactured in India.

In view of continuous upgrades the actual model may vary from the pictures and specifications shown in this brochure.

An ISO 13485:2016 certified company

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