10. The apparatus of claim 9, wherein the MsCAI extracting part extracts the anesthetic depth index (MsCAI) by multiplying the modified Shannon entropy calculation value (MshEn) by a first constant (L) and multiplying the CAI calculation value (CAI) by a second constant (U) to be summed up according to the equation MsCAI = L * MshEn + U * CAI (L = 0.243, $0.65 \leq U \leq 0.74$).

11. The apparatus of claim 10, wherein the CAI extracting part further comprises a critical value extracting part configured to fluidly change a constant multiplied by the critical value according to an anesthetic degree or a frequency band, so as to apply the anesthetic degree or frequency band to the critical value.

12. The apparatus of claim 11, wherein the critical value extracting part extracts the critical value by multiplying a value after discrete Fourier transformation performed on a normalized signal acquired by dividing the epoch signal by a root mean square of the epoch signal which the noise has been removed at least twice to be summed up to a predetermined frequency band and multiplied by a constant.

13. The apparatus of claim 9, wherein the CAI extracting part further comprises a counter configured to count the number of points which are larger than the critical value in the epoch signal and divide the counted number by the total number of points in the epoch signal.

14. The apparatus of claim 9, further comprising:

a first epoch dividing part configured to generate a first epoch signal by dividing a