

# IoC-View

...the safest anaesthesia *One IoC for every anaesthesiologist*

- ✓ **Monitor of the level of consciousness**
- ✓ **Optimize your titration of the anaesthetics**

## IoC

The Index of Consciousness, IoC, is designed to measure the level of consciousness during general anaesthesia where correct balancing of anaesthetics or fast recovery is a concern.

The IoC-view uses cutting edge technology to provide the highest degree of reliability.

The IoC-view records the electroencephalogram (EEG) with 3 surface electrodes attached to the forehead of the patient.

## The method

The symbolic dynamics combined with spectral ratios and EEG Suppression Rate (ESR) comprise an algorithm with superior suppression of facial EMG, hence providing the anaesthesiologist with correct information of the level of consciousness.



# Morpheus Medical

[www.morpheus-medical.com](http://www.morpheus-medical.com)

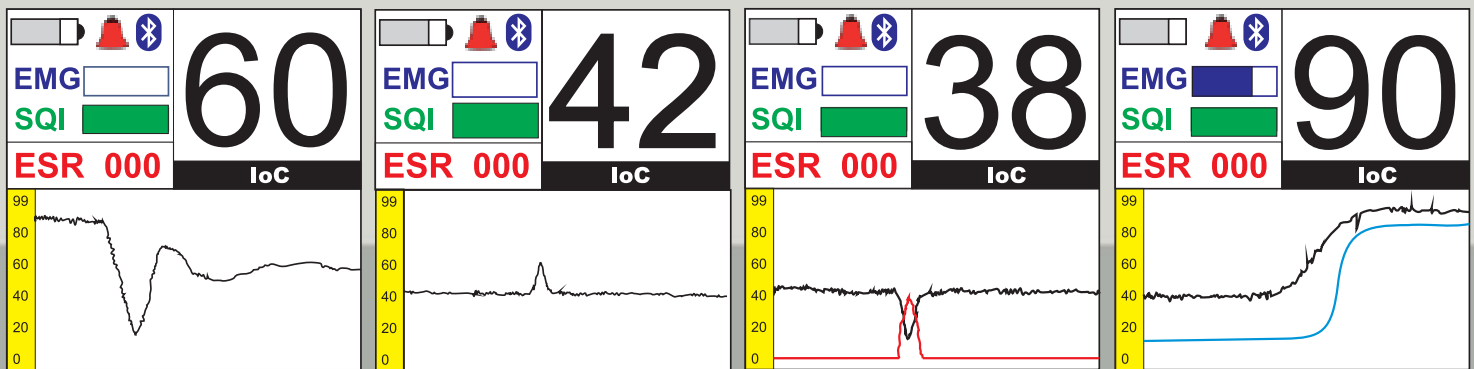
May.-08

<i>IoC</i>	<i>Clinical state</i>
99	Aware
80	Sedation
60	General anaesthesia
40	
0	Deep anaesthesia Isoelectric EEG

Index and display update	IoC 0-99, Filter 1-47 Hz, 1 sec. display update
Total index update delay	8 s
EEG waveform	± 500 µV scalable, Filter 1-30 Hz, 3 sec. Window length.
EEG Suppression Rate (ESR)	0-100 %
EMG	Curve and bar
Index trend	5, 6, 60 min
Signal Quality Index (SQI)	Yes
High/low index alarm	Yes
Electrode Impedance Check System	Yes, 3 electrodes
Data logging	IoC, EMG, ESR in text file
Event Marker	Yes
Free text event marker	Yes
EEG sampling frequency	1024 Hz, 16 bits
Batteries	2 x AA
CMRR	>140 dB
Weight	130g
Dimensions	117 x 76 x 24 mm

The IoC was designed to follow the standard scalin for depth of anaesthesia monitors where the target for general anaesthesia is the 40-60 range.

## The IoC-View during surgery



Induction of anaesthesia

Reponse to surgical stimulus

Deep anaesthesia

Recovery of consciousness

