

Unique⁺ CFM

Neurodiagnostics simplified



Enhanced neurological monitoring
of critically ill infants

Unique⁺ CFM

Next generation wireless monitoring

CFM monitoring (also known as aEEG or CFAM) has been used in diagnosis of brain injury for many years. The Unique⁺ CFM takes this tried and tested clinical application to the next level with features that a modern Intensive Care facility needs as standard on equipment.

The Unique⁺ can be set-up easily for either Single Channel aEEG, or Dual Channel aEEG, offering the user both Unipolar and Bipolar applications depending on the patient's condition and the expertise of the user. Extra electrodes can be applied at any time to increase the information displayed.

Start up is simple, and the screen can show as much or as little information as the user wishes to see – all by the click of a mouse, or a touch of the screen. Optional Video can be synchronised to record physical movement as well as electrical activity in the brain.



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The Unique⁺ CFM can generate patient reports that can be stored in the hospital network and accessed remotely.



The Unique⁺ CFM offers full touchscreen operation.

Further analysis

Interfaces with Invos™ view cerebral saturations in real time with aEEG

Export EEG data in EDF

Onscreen Compressed and Density Spectral Array (CSA/DSA) to measure frequency

Display ECG, SPO2 and Heart Rate Variability Measurement alongside aEEG

The Unique+ CFM takes this tried and tested clinical application to the next level

Straightforward

- New hardware combines headbox and amplifier in one unit
- Modern touch screen user interface
- Enables simple connectivity of electrodes with LED guides for Single or Dual Channel Use

Flexible

- Battery powered amplifier, ideal for use on-the-move
- Wireless connectivity via Bluetooth or hardwired connection via USB

Insightful

- Traces can be reviewed remotely through hospital network, allowing for fast second opinion
- Optional synchronised video recording to track physical movement as well as electrical activity in the brain



Unique+ CFM headbox



Unique+ CFM, Tecotherm workstation

Technical Description and Specifications

Voltage supply	5V/0.3A (amplifier)	Amplifier:	
Classification	IIa	Number of channels	4
Class	III	Electrode input	2 Unipolar/Bipolar plus 2 Bipolar inputs
Isolation type	BF (body floating)	Input impedance	>800 MOhm
Protection	IP30	CMRR	>110dB
Class AP/APG	No	Noise	< 1 μ V RMS
Electrostatic	Conductive wheels on trolley. Grounded trolley	Calibration	Integrated square wave generator
Transportation conditions	-10°C to 45°C 600 hPa to 1200 hPa pressure 20% to 80% relative moisture, non-condensing Handle with care, no magnetic fields Protect against humidity	Impedance measurement	Integrated impedance measurement with 20Hz Sine
Storage conditions	10°C to 45°C 600 hPa to 1200 hPa pressure 20% to 80% relative moisture, non-condensing Handle with care, no magnetic fields Stack maximum 2 boxes Protect against humidity	Sensitivity	1.2 μ V to 500 μ V / division
Usage conditions	10°C to 45°C 600 hPa to 1200 hPa pressure 20% to 80% relative moisture, non-condensing	Low frequency filter	0.2-100Hz, User definable
		High frequency filter	0.2-100 Hz, User definable
		AD-Converter	16 bit analogue – digital converter
		Notch filter	50/60Hz
		Power	5V =, 200mA (over special USB cable)
		Built in Bluetooth	
		Built-in WiFi module:	
		Standard	IEEE 802.11b/g/n
		Frequency of reception	2400 MHz
		Preferred frequency	2400 MHz
		Bandwidth of receiving section	2400 MHz – 2483,5 MHz
		Frequency characteristics of modulation	OFDM
		Effective radiated power	+18dBm
		Device contains FCC ID	QPU8205
		Wireless security used	WPA2 (predefined by the manufacturer)

*Note: Invos™ is a trademark of Medtronic.

The details given in this brochure are correct at time of going to press. The company reserves the right to improve the products shown.

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