

Revealing the Secrets of the Brain

Bittium NeurOne™ Tesla



Bittium

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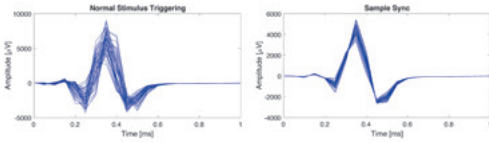


Bittium NeurOne™ Tesla is a versatile system and it can be used widely in different neuroscience and psychological applications. Bittium NeurOne™ Tesla is especially designed for use together with transcranial magnetic stimulators having extremely large dynamic range and special reduction technology to remove magnetic artifacts in short latencies. Advanced amplifier design enables using both AC and DC recording modes the way you want. The innovative Tesla MRI amplifier brings MRI compatibility to the system.

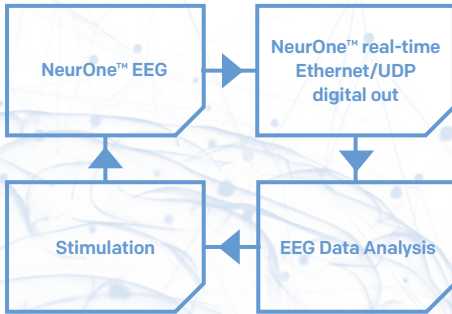
Advanced Technology

- 24 bit resolution
- High speed sampling up to 80 000 Hz per channel
- Wide band DC-3500 Hz
- Large dynamic range +/- 430 mV
- AC and DC measurement modes switchable channel by channel
- 40-channel amplifiers having 32 EEG and 8 bipolar channels
- 40 to 160 channels in basic version
- Windows 64 bit software with online averaging and TMS artifact removal
- Active or passive electrodes
- Video option
- Real time digital out option

TMS-EEG with sample synchronized triggering



EEG data UDP output for real-time application



Applications

- fMRI-EEG
- TMS-EEG with sample synchronized triggering
- EEG data UDP output for real-time application
- EP & ERP research
- EMG research with very high resolution and high amount of channels
- Up to 30 person group studies
- BCI Applications

Users of Bittium NeurOne™ please note:
Caution – For research use only. Not for use in diagnostic procedures. Device may be used for non-clinical laboratory research.

Bittium

Connectivity
to be trusted.

Bittium is a trusted Nordic company with over 30 years of expertise in advanced biosignal processing. Bittium provides medical technology products and solutions in biosignal measuring in the areas of cardiology, neurophysiology & neuroscience, home sleep apnea testing, and sports medicine.

Products for Cardiology

Bittium Faros™ 180

Bittium Faros™ 360

Products for Neurophysiology and Neuroscience

Bittium BrainStatus™

Bittium NeurOne™*

**For investigational use only*

FOR MORE INFORMATION, PLEASE CONTACT:

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