

# NIRSBRAIN

## fNIRS

Functional connectivity

Brain computer interface (BCI)

Brain oxygen monitoring

Hyperscanning

Muscle applications



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Technical specification:

TECHNOLOGY	Continuous wave near infrared spectroscopy using the modified Lambert-Beer law
MEASURES	Changes in oxy-deoxy hemoglobin and optionally regional tissue saturation index (TSI) using spatially resolved spectroscopy, system prepare two dimensional plot
DATA ANALYSIS SOFTWARE	OxySoft
OPERATING SYSTEM	Windows 10
LIGHT SOURCES	Temperature stabilized pulsed laser sources (class I according to IEC-60825-1, safety of lasers)
WAVELENGTHS	Standard nominal 765 and 855 nm, customizable
CHANNELS	1 to 108 channels
INDICATORS	Battery with 3 hours backup, Bluetooth connection
DETECTORS	Temperature stabilized and cooled avalanche photodiode with ambient light protection
OPTODE HOLDERS	Multiple distances for muscle or head possible, multichannel generally customer specific
OPTODE DISTANCE	On the forehead arterial pulsation is still visible with 6 cm distance, for fNIRS 3-4 cm distance is recommended
POWER	Auto sensing: 110-240 V, approx. 40 W
DIMENSION	Weight: 7-8 kg, W x D x H: 37 x 30 x 9 cm
STORAGE	Real-time unlimited data storage
EXTERNAL INPUTS	Option to add 8 analog inputs at 50 Hz (250 Hz optional), $\pm 4$ V
ELECTROMAGNETIC COMPATIBILITY	With NMR compatible fibers, the instrument can be used inside the MRI. TMS / EEG / ECG does not interfere the optical signal
ENVIRONMENT	Operating temperature 10-27 °C, both source and detector stabilized. Altitude: 0-5750 m.
POWER	Auto sensing: 110-240 V, approx. 40 W
ACCESSORIES	The OxyMon can be combined with: AD input/output box - AD board - PortaSync - ParallelSync cable - OxySoft 3D Extension
NIRS + OTHER MODALITIES	We deliver the following packages: OxyMon and TMSI EMG package (2 channels or more) OctaMon+ and TMSI EEG package (16 channels or more)

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

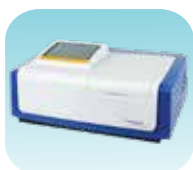
**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



UV/VIS  
Spectro 2080+  
Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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