

FM - 3001

Field Magnetometer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Description

Field Magnetometer provides a reliable, low cost solution for a variety of field measurements of magnetic search and mapping applications. It is lightweight and compact and can be operated by non-technical field personnel or used in teaching environments. Field Magnetometer uses the well-established proton precession method, allowing accurate measurements to be made with virtually no dependence upon variables such as sensor orientation, temperature, or location. The unit provides a repeatable absolute total field magnetic reading, traceable to the National Institute of Standards and Technology. The unit offers new features such as GPS time synchronization, GPS positions and in-field navigation.

►► Applications

Field Magnetometer is ideal for mapping geological structures, for mineral exploration, or magnetic search for industrial, environmental or archaeological targets. Simple operation, large digital data storage capability, and the inclusion of data transfer and editing software provides a system well suited for both teaching and survey applications.

►► Superior Data Editing Software

It allows rapid download of the data from the Proton Magnetometer to a PC. Data can be diurnally corrected, profile lines and X, Y or GPS positions displayed and edited, noisy readings filtered and QC plots of profiles, 2D contour plots made. Data can be exported for more sophisticated final maps and analysis including Google Earth overlay maps. The software requires Windows XP, 7, 8, 8.1, 10 operating system or better.

Field Magnetometer provides excellent performance and is the lowest priced professional magnetometer system available. With simple operation, user friendly download/editing software, and format read for available commercial contouring programs, it represents a complete magnetic surveying package generating high quality data for budget conscious users.

►► Features

- Multi-tone audible target indication
- Real-Time Colour Alpha-numeric and Graphic LCD display with interactive menu system
- Data Storage to SD Memory Card
- CSV Data format for easy data import to Analysis
- Software ATmega1281 Microprocessor
- Data Visualization software for Windows PC
- Integrated GPS
- Noise Canceling Sensor with 5m cable
- Internal Rechargeable Battery

►► Specifications

- Sensitivity: 0.2 nT @ 1 Hz
 - Resolution: 0.1 nT
 - Absolute Accuracy: +/- 0.5 nT
 - Gradient Tolerance: 4000 nT
 - Maximum Range: 20,000 to 85,000 nT
 - Sampling Interval: From 20 seconds to 1200 seconds (Variable)
 - Operating temperature: -15 Deg C to +50 Deg C
- Tuning: Both Automatic and Manual, selectable through keypad
- Keyboard: Keys embedded in console's front panel
 - Display: Backlight LCD (alphanumeric and graphic)
 - Memory capacity: up to 2 gigabytes (SD MemoryCard Included)
 - Data Storage Capacity: More than 65,000 readings
 - Data Storage and Analysis while Walking in Main
 - Unit, in Mobile Phone and Base Station Laptop
 - Battery: Internal Lithium-Ion
 - Battery life: ~14 hours

►► GPS

Trimble Condor GPS chipset integrated with way point programming

Support for SBAS using WAAS or EGNOS

Update Rate 1 Hz

Accuracy:

Position < 5m

Position 2 m (WAAS)

Cold Start < 38s

Sensitivity:

Tracking -160dBm

Acquisition -146dBm

Dimensions and weight

Main unit:

9.5 X 2.75 X 7 Weight 6.5 lb

240mm x 70mm x 180mm Weight 2.1 kg

Sensor:

12 X 5 X 4.5 Weight 8 lb

300mm x 127mm x 115 mm Weight 2.3 kg

►► Bundled Accessories

- Main Unit with Water Proof Hard Carry Case
- Sensor with carry case and 5 meter cable
- Tripod Stand
- Instrument Stand
- Console Carrying Harness Back Pack
- Battery Charger
- 2 GB SD Card with Data Transfer Device for PC and Mobile
- 8 GB Pen Drive with Operating Instructions and Software
- Windows 10 OS Laptop for Base Station Data
- Storage and Analyses
- Android Mobile Phone for Data Storage and Analysis
- Operation Manual

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



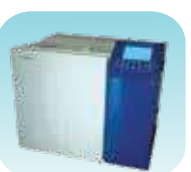
UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical
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

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.



HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide