

DIGITAL SOIL PENETROMETER

SP-3034



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Monitor overall soil compaction and quality, quick and effectively with this digital penetrometer.

The source of yield loss in agriculture, soil compaction prevents moisture penetration, reduces fertilizer and chemical utilization and hinders plant root growth. In some cases, yield losses can run as high as 30% due to soil compaction.

Soil Compaction meters are used to determine the density of soil and other material. An operator pushes a rod with attached (ASAE standard) cone into the ground. The resistance of the cone as it is pushed in the ground is measured and recorded in the memory of the compaction meter. The depth of the cone below soil surface is also measured and recorded in memory.

Compaction data is recorded and displayed at one inch intervals, in PSI or kPa. Built-in datalogger eliminates the need to record data manually. Included software allows user to download data, change logger settings and configure the meter.

Measure, log, and review data with the Soil Compaction Meter to make better soil management decisions based on data specific to your field. Identify and address specific problem areas on-site and in real time.

►► Specifications

Measurement Units	Cone Index (PSI or kPa)
Resolution	+/-1 PSI (5 kPa)
Accuracy	+/-15 PSI (100 kPa)
Range	0-825 PSI (0-5690 kPa)
Maximum Insertion Speed	30 in (76 cm)
Overall Size	35.25 x11x2.75 in (90x28x8 cm)
Power	Batteries- 2 x AA Size (included)
Cone	0.505 in. Ultra-Hard Tool Steel (included)
Display	Color Coded : 0-200 PSI(1400 kPa) Green 200-300 PSI Yellow 300+PSI (2070 kPa) Red
Weight	2 Lbs (1 kg)

- Green (0 - 200 psi) - Good Growing Conditions
- Yellow (200 - 300 psi) - Fair Growing Conditions
- Red (300 psi and above) - Poor Growing Conditions

▶▶ **HPLC Servicing, Validation, Trainings and Preventive Maintenance :**

- 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 : We offer user training both in-House and at customer sites on PLC principles, operations, troubleshooting.
- Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/U SFDA norms.
- 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 globe. 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 2060+ Double Beam	FTIR	Gas Chromatograph 3000	Gas Chromatograph 2979 Plus	Flash Chromatograph	Atomic Absorption Spectrophotometer	Liquid Partical Counter
						
Optical Emission Spectrophotometer	DSC/TGA	NOVA 2020 plus Automated Bio Chemistry Analyzer	HEMA 2020 Hematology Analyzer	Micro Plate Reader/Washer	URINOVA 2800 Urine Analyzer	Total Organic Carbon
						
Fully Automated CLIA	NOVA Basic Semi-Auto Chemistry Analyzer	PCR/Gradient PCR/ RTPCR	Blood Gas Analyzer	Random access Analyzer for immunoassay Proteins & clinical chemistry	Semen Analyzer	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.

▶▶ **Reach us @**



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