



# Laboratory and Environment Solution



## ONLINE ANALYZERS

- Online Effluent/ waste water analysis (COD, BOD, TSS, pH, Ammonia, Nitrites, TN, Phosphates, TOC, Chloride, Turbidity, Color, Conductivity, Oxygen, etc.)
- Online Emission/Process Gas and Bio Gas Analyzer, provides fast measurements of a wide range of pollutants such as ammonia, hydrogen sulphide, nitric oxide, sulphur dioxide, nitrogen dioxide, mercaptans, BTX, etc.
- Online Ambient Air Quality Monitoring System (**AAQMS**) is Capable to monitor PM1, PM2.5, PM10, CO, CO<sub>2</sub>, SO<sub>2</sub>, NO, NO<sub>2</sub>, O<sub>3</sub>, UV Radiation, Light Intensity, Noise, Temperature, Humidity, Wind Speed, Wind Direction, Rainfall, Flood Monitoring, etc. It also offers real time Odour Emission Tracking. It Measures and Monitors CO, H<sub>2</sub>S, CH<sub>4</sub>, CH<sub>2</sub>O, NO, NO<sub>2</sub>, SO<sub>2</sub>, NH<sub>3</sub>, PID-TVOC, etc.

## PORTABLE/ BENCHTOP ANALYZERS

- UV Visible Spectrophotometer
- Portable Photometer for COD
- Automated COD Analyzer, COD Digester
- Pre-filled COD tubes
- COD/TOC Standards
- Automated BOD Analyzer, BOD Reagents, BOD Bottles
- Automated Chemistry Analyzer
- Portable Single and Multi Parameter Meters for pH, Conductivity, ORP, TDS, Salt, Turbidity, etc.
- Oil content analyzer.



## LABORATORY AND ENVIRONMENTAL ANALYSIS

### ONE-STOP SOLUTION

BrodSpec provides complete Analytical Laboratory Setup solution on turn key basis. We are a team of technocrats, striving for the success of our customers.

Deep understanding and knowledge of major high-end analytical technologies including Chromatography, Spectroscopy (Molecular and Inorganic), Mass Spectrometry, Thermal Analysis, Electrochemical Analysis, Physical Property Measurements (Density, Viscosity/Rheology, Refractive Index, Optical Rotation—Polarimetry, etc.) makes us a reliable partner for all your laboratory needs.

### ANALYTICAL INSTRUMENTS

#### NEW AND REFURBISHED / USED ANALYTICAL INSTRUMENTS:

- GC / GC-MS, HPLC, AAS, ICP-OES, ICP-MS, CHNS-O/ CNS-Cl Analyzer, UV Vis., FTIR, Refractometer, Polarimeter, Viscometer, Rheometer, etc. (Buy and Sell)
- AMC, Spares and Consumables.



### BASIC LABORATORY INSTRUMENTS

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| <ul style="list-style-type: none"> <li>• pH Meters,</li> <li>• Weighing Balances,</li> <li>• Laboratory Glassware</li> <li>• Oven/ Incubators</li> <li>• Stability Chambers</li> <li>• Nitrogen Evaporator/ Concentrator</li> <li>• Muffle Furnace</li> <li>• Moisture Balance</li> <li>• Oil free Air Compressors</li> <li>• Vacuum Pumps</li> <li>• Chillers</li> <li>• Vacuum Rotary Evaporators</li> </ul> | <ul style="list-style-type: none"> <li>• Orbital Shaker Evaporator</li> <li>• Distillation System with high separation efficiency</li> <li>• Solvent recovery system for all kind of solvents like acetone, DMF, THF, Paraffin, Xylenes, Alcohol's, Acetonitrile, Isooctane, Hexane, Methyl Chloride and other HPLC solvents.</li> <li>• Flash Point Tester</li> <li>• Pour/ Cloud Point Tester</li> <li>• Laboratory Water Purification Systems</li> </ul> |
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### ACCESSORIES, SPARES AND CONSUMABLES

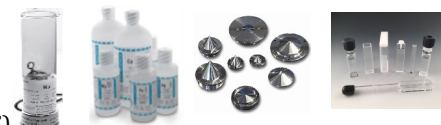
#### CHROMATOGRAPHY (GC / HPLC)

- Columns, Septa, Syringes, Ferrules, Auto Sampler Vials, etc.



#### INORGANIC SPECTROSCOPY (AAS, ICP-OES, ICP-MS)

- Sample Introduction Systems (Torch, Nebulizer, Spray Chambers, etc.) for all leading brands.
- Single / Multi Elements and Custom Standards
- Graphite Furnace Tubes
- High Purity Acids & Reagents
- Hollow Cathode Lamps
- Quartz Cells
- Peristaltic Pump Tubing
- Sampler and Skimmer Cones (ICP-MS)



## ACCESSORIES, SPARES AND CONSUMABLES

### TOC ANALYZER

- Combustion Tube
- CO2 Absorber
- Halogen Scrubber
- Catalyst
- TOC Certified Standards for SST



### XRF SUPPLIES

- Fusion Fluxes
- Presses
- Sample Caps and Cells
- XRF Thin Films



### CHNS/O

- Combustion Tube
- Catalyst
- Sample Crucibles
- Calibration Standards
- Spares



### THERMAL ANALYZERS (DSC, TGA)

- Sampling Pans
- Crucibles
- Spares
- Standards

### OIL STANDARDS

- Metallo-Organic Standards
- Custom Standards in Oil
- Sulfur and Chlorine in Oil Standards
- TAN and TBN Standards
- Viscosity Standards

### Glassware



### Plasticware



### Research Chemicals



### Laboratory Chemicals



### Personal Protection Equipments





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