

NEXUS

Analytics



Technical

Support

Customer

Service

SALES | SERVICE | CONSUMABLES | GC HPLC COLUMNS | CALIBRATION | CRM



Nexus Analyticals, established in 2023 and based in Mohali, Punjab, is a leading provider of high-precision analytical instruments and laboratory consumables. With a proficient and well experienced team, the company specializes serving in pharmaceuticals, food, analytical labs, academic, and research institutions.

Committed to innovation and quality, Nexus Analyticals offers a wide range of products, including spectrophotometers, chromatography systems, water analysis instruments, and laboratory consumables. Guided by a vision of empowering researchers and analysts, the proficient team ensures cost-effective and tailored solutions to meet diverse scientific needs.

Nexus Analyticals is working to extend its reach into new markets, both domestically and internationally, strengthening its presence in key scientific and pharmaceutical hubs around the world and Aims to broaden its customer base across various sectors, while building long-term and trusted relationships with their clients.



NEXUS

Analyticals

*Beyond Satisfaction,
We Deliver Delight...*

Nexus Analyticals

At Nexus Analyticals, we now deal in servicing some of the biggest analytical equipment manufacturers in the world. delivering cutting-edge system solutions and educating our clients on new technologies. We are dedicated to providing laboratories with high quality, innovative, futuristic, and alternative solutions that will increase their productivity and profitability. We wish to offer your laboratory the best possible level of service. Our goal is to become an essential component of your business by lowering service costs while maintaining or improving quality.

The monetary/financial advantages:

We charge considerably less for service work, and we typically use OEM-compatible spare parts. If your lab has a variety of spectroscopic, chromatography and other devices, we can provide significant financial savings as well as convenience.

We Deal in the Consumables of

Fourier-transform infrared spectroscopy (**FTIR**)

UV-VIS Spectrophotometer

Atomic absorption spectroscopy (**AAS**)

High-performance liquid chromatography (**HPLC**)

Gas chromatograph (**GC**)

Tablet Dissolution & Disintegration Tester

Automatic Titrators

Physical Instruments

Repair Service & Calibration

Calibration of Instruments as per USP/EP/IP

Repair of Instrument & PCBs

Refurbished Instruments

FTIR

UV-VIS Spectrophotometer

GC



HPLC

Others



Quartz Cuvette/Cell with Lid

(Macro cell, Micro cell, Semi-micro cells, Cylindrical cells, Square cells, Short path length cells, Semi-micro black cell)

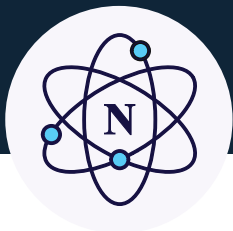
Part.No	Product	Description	
LR10Q35	Standard cell with Lid	Regular 10MM* QUARTZ 3.5ML**	
LC10Q35	Standard cell with Lid	Regular 10MM* QUARTZ 3.5ML** WITH COC(certificate of confirmatory)	
1/Q/10	Standard cell with Lid Starna Scientific Ltd. (UK)	Standard Rectangular Cell Starna Scientific Ltd. (UK) Path Length - 10mm*, Volume - 3.5ml** Window Material - Quartz Fully Fused Construction	
1/Q/10-CER	Standard cell with Lid Starna Scientific Ltd. (UK)	Certified Standard Rectangular Cell Starna Scientific Ltd. (UK) Path Length - 10mm*, Volume - 3.5ml** Window Material - Quartz Fully Fused Construction	

Variant: 2 Side Transparent & 4 Side Transparent * Different Path Length available ** Different Volume Available

Lamp UV-VIS Spectrophotometer

Part.No	Product	Compatibility
062-65055-05	DEUTERIUM LAMP,L6380 80V	ALL MODEL OF SHIMADZU UV-VIS SPECTRO PHOTOMETER (Compatible with UV-1700, 1800, 1900, 2600 Series & LABINDIA 3092, 3000)
062-65005	Halogen Lamp NA55917 12V	Compatible with UV-1700, UV-1800, UV-1900, UV-1900i, Labindia 3000
062-65004-06	Tungsten Lamp 64604 12V	Compatible with SHIMADZU MODEL: UV-1601, UV-1650PC, UV-2450, UV-2550, UV-2600, UV-2600i





Performance kit for UV-VIS Spectrophotometer

Part.No	Product	Description
PMK020	UV PM kit	Deuterium Lamp + 2 Halogen Lamp NA55917 12V
PMK03C	UV PM kit	Deuterium Lamp + 2 Halogen Lamp NA55917 12V+ REGULAR 10MM QUARTZ CELL 3.5ML
PMK03M	UV PM kit	Deuterium Lamp + 2 Halogen Lamp NA55917 12V+Source Mirror
PMK040	UV PM kit	Deuterium Lamp(D2 Lamp) + 2 Halogen Lamp NA55917 12V+ REGULAR 10MM QUARTZ CELL 3.5ML + Source Mirror



Certified reference materials (CRMs) for UV-Visible Spectroscopy

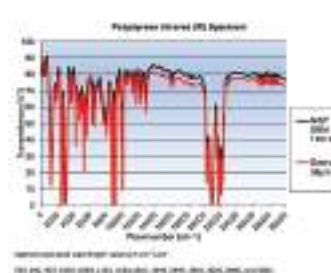
Part.No	Product	Description
RM-HG	Holmium Oxide Glass Filter	Starna Scientific Ltd. (UK) Holmium Oxide Glass Filter, Usable Range - 220 to 640nm (14 Peaks) Validity - 2 Years With NIST Traceable Certificate 

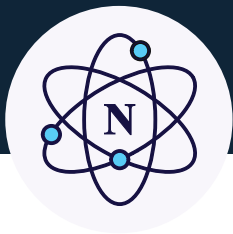
Note: All CRM /References for UV-visible spectroscopy are available (Starna Scientific Ltd), **Please Ask for detail.**



Certified reference materials (CRMs) FOR FTIR

RM-1921/38	38µm Polystyrene Film	Certified Reference Material Starna Scientific Ltd. (UK) 38µm Polystyrene Film (14 Peaks) Validity - 3 Years Traceable to NIST SRM 1921 
RM-1921/38/ATR	2 Certified 38µm Polystyrene Films - Transmission & ATR	Certified Reference Material Starna Scientific Ltd. (UK) 2 Certified 38µm Polystyrene Films - Transmission & ATR, Validity - 3 Years 





FTIR KBR PRESS (MANUAL)

Model.No	Product	CAPACITY
MP15T	KBR PRESS (MANUAL) M15	15 TON
MP20T	KBR PRESS (MANUAL) M20	20 TON
MP25T	KBR PRESS (MANUAL) M25	25 TON



FTIR KBR PRESS (AUTOMATIC)

Model.No	Product	CAPACITY
AP15T	KBR PRESS (AUTOMATIC) A15	15 TON
AP20T	KBR PRESS (AUTOMATIC) A20	20 TON
AP25T	KBR PRESS (AUTOMATIC) A25	25 TON

Dry Box

The dry box is specifically designed for the storage of FTIR accessories, silica gel, liquid cells & windows which are affected by moisture. A transparent lid gives a clear view of the contents.

Model.No	Product	Description
NDBR45	DRY BOX Regular	Usable Volume : 450 X 250 X 230 mm Temperature : Ambient to 45°C, Power : 230 V, 50 Hz, 100 W
NDBPID45	DRY BOX with PID Controller	Usable Volume : 450 X 250 X 230 mm Temperature : Ambient to 45°C, Power : 230 V, 50 Hz, 100 W



KBR Dies for pellet making

Evacuatable KBr Die Set is used to form pellets/circular discs for IR-FTIR Solid Sampling /Analytical Purpose.

Size	MOC (Materials of Construction)	Maximum load capacity
Die - 10mm		10mm - Max. Load 6 ton.
Die - 12mm	Die Bottom - SS 202 Hardened Die Top- SS 316	12mm - Max. Load 9 ton.
Die - 13mm	Anvil & Plunger - HSS M2 Hardened	13mm - Max. Load 10 ton.
Die - 15mm		15mm - Max. Load 13 ton.



Cell Liquid sampling/Mull Technique

Cell for FTIR	Window	Specific path length
Semi Permanent	NaCl / KBr	0.1mm, 0.2mm, 0.5mm
Fixed Thickness	NaCl / KBr	12mm - Max. Load 9 ton.
Demountable Cell	NaCl / KBr	13mm - Max. Load 10 ton.
Gas Cell 10mm & 50mm	KBr, NaCl, CaF ₂ , BaF ₂ , AgCl, ZnSe, KRS5	15mm - Max. Load 13 ton.



Only windows (NaCl, KBr & others are also available)



Silica Gel for FTIR

Product	Description
Silica Gel for FTIR	High performance silica gel desiccant with superior moisture-absorbing properties. Packages have moisture indicating beads to alert the user when it is necessary to change the desiccant.



pH Electrodes Sensorex

Model.No	Description
S150C pH Electrode (Polycarbonate)	S150S pH Electrode: Sensorex pH electrode durable polycarbonate body for, The new S150C is a polycarbonate body, offers a lower cost alternative to epoxy body pH and ORP electrodes. Choose them for general-purpose lab applications.
S200C pH Electrode (Epoxy Body)	S200C pH Electrode: This durable epoxy body combination electrode provides unique ease of use. The pH bulb is recessed inside the polymer body to protect from breakage when resting on the bottom of a beaker or other container. The sealed reference design eliminates the need to add filling solutions.



Conductivity cell Sensorex

Model.No	Product	Description
CS150-K=0.1	Epoxy	Sensorex CS150-K=0.1 Light-Duty Contacting Conductivity / TDS Sensor with Automatic Temperature Compensation (ATC), Graphite, 12mm, K=0.1



Dissolution Glass Vessel

Product	Description
Dissolutions Clear Glass Vessel	Dissolutions Clear Glass Vessel 'L' Type With Ring (New)-1Ltr With Laser Marking & Compliance Certificate (Compatible with Labindia & Electrolab Dissolution)
Dissolutions Amber Glass Vessel	Dissolutions Amber Glass Vessel 'L' Type With Ring (New) 1Ltr With Laser Marking & Compliance Certificate (Compatible with Labindia & Electrolab Dissolution)





Dissolution Sinters

Sinters Type (SET OF 6, MOC 316 SS) with Certificate

Spring Type Sinkers- 15.5 X 5mm,18 X 6mm ,18 X 6mm ,19.3 X 7mm,31 X 11mm

Japanese Sinkers (12mm ID X 25mm L),(15mm ID X 25mm L) (15mm ID X 39mm L)

Cage Type Sinkers Small, Cage Type Sinkers Big, 3 Prong Sinkers Teflon (Plastic),3 Prong Sinkers SS

HELIX/SPIRAL TYPE CAPWHT-2 (21.3mm X 9.4mm),CAPWHT-2S,CAPWHT -04 ,CAPWHT-XL,CAPWHT - LG (27.94mm X 10.4mm)

Ball type Sinkers, Alfuzosin Sinkers, Metformin Sinkers Small, Metformin Sinkers



Dissolution Cannulas & Filters

Cannulas Type (SET OF 6, MOC 316 SS)

Adjustable Cannula with luer lock Set Of 6, MOC : 316SS

Adjustable Cannula Set Of 6, MOC : 316SS

Fixed Height Sampling Cannula Set Of 6, MOC : 316SS

"L" BAND CANNULA (Labindia) Set Of 6, MOC : 316SS



Dissolution Paddle & Basket

Paddle & Basket

10, 20, 40, 100 Mesh Basket MOC : 316SS With Laser Marking & Certificate

40 Mesh Basket-24.5mm ID MOC : 316SS With Laser Marking

40 Mesh Basket-Distek MOC : 316SS With Laser Marking

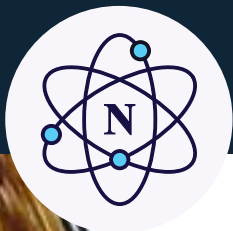
Stationary Basket MOC : 316SS, Felodipine Basket with Spacer MOC : 316SS, Basket Toolkit



Hand Crimper and Decrimper

11mm or 20mm Hand Crimper and Decrimper





One Stop Solution for Complete CHROMATOGRAPHY PRODUCTS

GC Columns

Fused Silica Capillary Columns

- High Performance Rxi columns
- General purpose columns
- Guard/Retention Gap Columns
- Fast GC Columns
- Application Specific Column
- Metal MXT Capillary column

PLOT

- Alumina Bond Columns
- Molecular Sieve 5A Columns
- Porous Polymers Columns
- Tubing Scorer

Packed/Micropacked Columns

- Bonded Stationary phases
- Packed Column Tubing
- Packed Column Packing Materials
- Custom Coated Packing Materials
- Application Specific Columns

HPLC Columns

- Pinnacle™ DB 1.9µm Small Particle Columns
C18, Silica, PFP Propyl, Biphenyl, Aqueous C18, Cyano, C18 and IBD Phases
- pHidelity® C18 5µm Columns
- LC Capillary Columns
- Pinnacle™ DB Biphenyl, 3µm & 5µm Columns
- Pinnacle™ DB PFP Propyl, 3µm & 5µm Columns
- Pinnacle™ DB Silica, 3µm Columns
- Pinnacle™ DB Aqueous C18, 3µm & 5µm Columns
- Pinnacle™ II PAH, 4µm Columns
- Trident HPLC Guard Cartridges
*Pinnacle™ DB Aqueous C18, Pinnacle™ DB Biphenyl,
Pinnacle™ DB PFP Propyl*
- Trident Direct Guard Cartridge system

Reference Standards:

- Complete range of reference standards for Clinical, toxicology, forensic, Environmental, Food, flavours, petroleum and Pharmaceutical applications

GC Accessories

- SKY Inlet Liners Agilent Gc's, PerkinElmer Gc's, Shimadzu Gc's and Thermo Scientific Gc's
- Other Deactivations and Inlet Liner accessories.
- Restek Electronic Leak Detector and Flowmeter
- Septa, Ferrules, connectors and Regulators.
- Instruments Supplies for Gc's from Agilent, Bruker/Varian, Shimadzu & Thermo Scientific.
- Gas Management Systems and Filters along with Traps.
- Gas Generators and Stations
- Switchover Systems
- Gas Pressure Systems and Accessories such as Swagelok Fitting & tubing's.



CE Digital Flow Meter



Leak Detector

HPLC Accessories

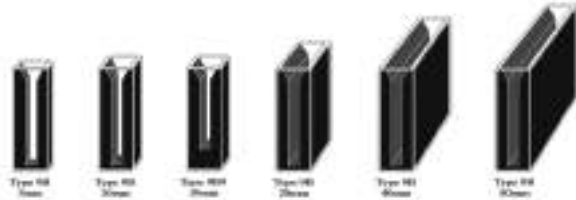
- HPLC Instrument Supplies along with complete range of Fittings, connectors, tubings and Lab organizers.
- Mobile Phase Accessories
- LC-MS Generators & Traps
- Syringes
- QuEchERS Products for Solid Phase extractions etc.





Quartz Cuvette/ Cell with Lid

(Macro cell, Micro cell, Semi-micro cells, Cylindrical cells,
Square cells, Short path length cells, Semi-micro black cell



LAMP : HPLC/UV-VIS

D2 Lamp Shimadzu



Halogen Lamp



Certified Reference Materials (CRMs) FOR UV & FTIR

Polystyrene Film



Holmium Glass Filter



PM kit for UV-VIS Spectrophotometer

UV PM Kit for Shimadzu & LabIndia



pH Electrodes & Conductivity Cell



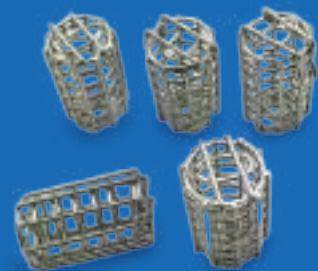
pH & Conductivity Electrode



Flat Bottom pH Electrode

DISSOLUTION

Sinkers, Cannulas, Filters,
Paddle & Basket





Vial Crimper



GC Syringes



HPLC Solvent Inlet Filter for Shimadzu, Waters & Agilent



Peek Tubing



GC Ferrules



HPLC Ferrules



Certified Vials, Cap & Septa for HPLC, GC & Headspace





ALPHA-II

Fully Validated
FT-IR Spectrometer System with 21CFR Part 11 Compliance

TECHNICAL DATA

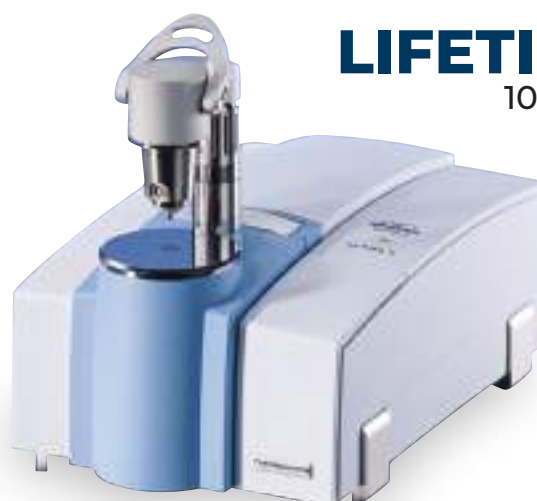
Spectrometer Housing	Rigid and durable metal housing
Detector and Interferometer	Temperature-controlled DLATGS-detector; RockSolid™ cube corner interferometer
Spectral Range	350 – 8,000 cm ⁻¹ , with standard KBr beamsplitter; 500 – 6,000 cm ⁻¹ , option: "High Humidity" ZnSe
Signal-to-Noise Ratio	Typically > 55,000:1 (1 min measurement time, spectral resolution 4 cm ⁻¹)
Accuracy and Precision	<0.05 cm ⁻¹ @ 1576 cm ⁻¹ , <0.0005 cm ⁻¹ @ 1576 cm ⁻¹
Dimensions	With Panel-PC: ~ 267 x 340 x 340 mm without Panel-PC: ~ 208 x 330 x 260 mm
Weight	Approx. 7-11 kg (Depending on configuration)

The ALPHA II at a glance

- Robust and compact FT-IR
- Integrated touch panel with state of the art software
- Low cost of ownership
- Conveniently exchangeable sampling modules
- Absolute reliability through high system intelligence

ALPHA-II FEATURES

- Compact and resilient design
- Easy adaptation to all sample types
- RockSolid™ interferometer
(Extended Warranty 10 years on Interferometer & Leser)
- CenterGlow™ source (Extended Warranty 5 years)
- Diode laser (lifetime >10 years)
- Intuitive operation and software
- Optional: inert to high-humidity



LIFETIME
10 years



FDA ✓ **Part 11**
COMPLIANCE





BRAVO HANDHELD RAMAN SPECTROMETER

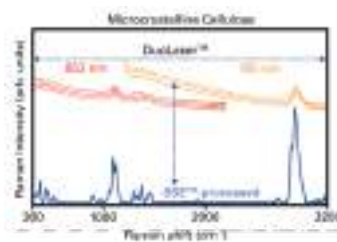
BRAVO sets new standards in performance, safety and ease of use of handheld Raman analyzers dedicated for **raw material verification**. Operated by touching icons and intuitive workflows on a large touch screen, the graphical user interface of BRAVO facilitates an extremely reliable use by everybody's hands.

Bruker Raman Verification Optics APPLAUSE FOR BRAVO

Patented technologies especially designed for BRAVO provide an unchallenged performance for routine material analysis and an increased accessibility to many material systems.

Unrivalled Bunch of Features

- **SSET™** – Patented fluorescence mitigation
- **DuoLaser™** – Broad spectral range (300-3200 cm^{-1})
- **Laser Class 1** – No laser safety requirements
- **GUI in OPUS TOUCH design** – Intuitive and guided operation
- **Verification & ID workflows** – Extensive library support
- **IntelliTip™** – Automated measuring tip recognition
- **WiFi & Ethernet connectivity** – Flexible interfacing
- **Remote control** – Like a benchtop spectrometer
- **SyncService** – Automated data transfer
- **Pharma compliance** – Always up-to-date!
(e.g. 21 CFR Part 11, Data Integrity, USP, Ph. Eur.)



BRAVO's innovations are all protected in a rugged housing for maximum robustness.

COMPLIANCE

BRAVO is designed to be operated in validated environments in Pharmaceutical industry. Bruker's mission statement "Innovation with Integrity" is a commitment to offer solutions compliant to latest Pharmaceutical regulations.





TECHNIQUES FOR OPTIMIZING **3** PREVENTIVE MAINTENANCE

PM PM BD

MAINTENANCE PLAN

To maintain productivity, Your Spectrophotometer must perform reliably for each measurement. Plan your budget and achieve a high return on your equipment investment over its lifetime and ensure continuous productivity with regular preventive maintenance.

WHAT WE DO

- INPUT VOLTAGE & EARTHING CHECK
- SPECTROMETER HOUSING CLEANING
- PHYSICAL INSPECTION
- REPLACEMENT OF DESICCANT IF ANY
- OPTICAL WINDOW CLEANING
- IMPROVEMENT RECOMMENDATION
- AUTO VALIDATION
- REPORTING OR DOCUMENTATION



ALPHA
— SERIES —



EXTENDED LIFETIME



ENSURE RELIABLE PERFORMANCE



PROTECT YOUR BUDGET



MAINTAIN COMPLIANCE



SAFE & RELIABLE OPERATION



AVOID UNEXPECTED INSTRUMENT DOWNTIME

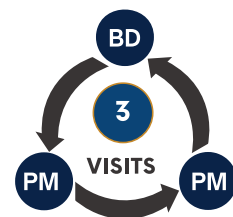
Annual MAINTENANCE PLAN

NAAMCB01

Preventive Maintenance Basic

NAAMCB02

Preventive Maintenance
with Calibration





Beyond Satisfaction,
We Deliver Delight....



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