

# 3605

## **Flame Photometer Touch Screen**



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

### **Analytical Technologies Limited**

An ISO 9001 Certified Company

www.analyticalgroup.net



#### **FEATURES**

- \* 7 inches colored touch screen
- \* Password protected data login facility
- \* Auto Gas Cutoff Facility
- \* Auto Flame Failure Detection Facility
- \* µP Based with Printer Interface
- \* Sample Data Storage Facility
- \* Five Element Measurements in Single Aspiration of the Sample
- \* Curve Calibration Programmability Using Maximum of 25 Standards
- \* Multiple Calibration Curve Saving Facility
- \* Data Processing Through Curve Fitting Techniques, Least Square, Quadratic
- \* Printer Attachment Facility
- \* Measurement in ppm & meq
- \* Useful for both Medical & Soil Testing Applications
- \* Setup Storage Facility up to 10 setup files

#### **TECHNICAL SPECIFICATIONS:**

MODE	General	Serum	Urine		
RANGE	Na: 0 – 100 ppm	Na: 0 – 200 meq/L Na: 0-250 meq/L			
	Upto 250 meq/L 1: 100 dil	1:100 dil	1:100 dil		
	K: 0-100 ppm	K: 0-10 meq/L	K: 0-100 meq/L		
	Upto 250 meq/L, 1: 100 dil	1:100 dil	1:100 dil		
	Ca: 0-100 ppm	-	Ca: 0-10 meq/L		
	Upto 250 meq/L, 1: 100 dil		1:2 dil		
	Li: 0-100 ppm	Li:0-2 meq/L	-		
	Upto 250 meq/L, 1:100 dil	1:5 dil			
	Ba: 0-1000 ppm	(all meq/L values a	(all meq/L values are claimed with appropriate dilution)		
SENSITIVITY					
FILTERS	TWO FILTERS – SODIUM (Na), POTASSIUM (K), {Calcium (Ca), Lithium (Li) & Barium (Ba)				
	ARE OPTIONAL AT EXTRA COST} - [FACTORY FITTED ONLY}				
RESOLUTION	0.1 ppm/meq				
REPRODUCIBILITY	< 1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as maximum standard				
	up to 3% CV for 20 consecutive samples of Concentration between 50 to 199 ppm for Barium				
LINEARITY	< 2% error when 3 ppm Na/K and 5 ppm Li are set as maximum standard.				
CALIBRATION	With up to 25 Standards of user choice with curve fitting software (5 for each element).				
	Multiple Calibration Curves can be stored in the memory.				
DISPLAY	7" TFT with Touch screen	PC INTERFACE	USB		
CURVE FIT ACCURACY	+/- 2% of Full Scale	POWER	230 V +10% AC, 50 Hz		
AVERAGE TIME	In-built in software	DIMENSIONS	365 x 245 x 220 mm (L x B x H) approx.		
FLAME SYSTEM	LPG and dry oil free air	WEIGHT	8 kg approx. (Main Unit)		
DETECTOR	Photodiode	COMPRESSOR UNIT			

02



AUTOMIZER	Photodiode	AIR SUPPLY	By oil free mini compressor unit with pressure
IGNITION SYSTEM	Axial Flow Type		regulator
GAS CONTROL	Auto ignition	COMBUSTION	LPG controlled by precision regulator
ASPIRATION TIME	Adjustable with knobs	POWER	230 V +10% AC, 50 Hz
FLAME FAILURE	3 ml. per Minute	DIMENSIONS	290 x 255 x 210 mm (L x B x H) approx.
GAS CUTOFF	Auto detection	WEIGHT	8 Kg approx.
PRINTER	Automatic on power failure	STANDARD	In-built Filters Na & K (1 each), Sample Holders-5
	Provision for attachment of	ACCESSORIES	Nos., Air & Gas Tubing-1 Set, Capillary Tubes-5
	dot matrix printer with		Nos., Mains Lead-1 No.,USB Cable-1 No. Air
	Centronics parallel interface		Compressor-1 No., Chimney-1 No., & 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 Maintenace 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, troubleshooting.

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

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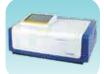




#### **About Analytical Technologies**

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, Manufaturing, 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.

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UV/VIS Spectro 2080+ Double Beam



**Optical Emission** Spectrophotometer





DSC/TGA



Semi Auto Bio

Optima Gas

Chromatograph







Optima Gas Chromatograph 2979 Plus





TOC

Analyzer

Flash

Chromatograph





Atomic Absorption Spectrophotometer



URINOVA 2800 Urine Analyzer





Liquid Partical Counter



Total Organic Carbon 3800



Water purification system









Micro Plate Reader/Washer

Size Analyzer



Laser Particle Ion Chromatograph







Fully Automated CLIA

NOVA-2100 Chemistry Analyzer

























#### **Regulatory compliances**



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

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





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