

Flame Photometer

NEW



- 7- inch color touch- screen
- Direct concentration display (Don't cover FP640)
- Automatic calculation of correlation coefficient (Don't cover FP640)
- Pre-selection of flame sizes
- Flameout protection device
- Measuring range changing
- Concentration units selectable
- Multilingual user interface
- Air compressor provide

Specifications

	FP6450	FP6440	FP6431	FP6430	FP6410	FP640
Operation mode	7- inch color touch- screen					
Display value	Concentration value					Optical power
Data range	0.000~999.9				000.0~999.9	0000~9999
Testable	K, Na, Li, Ca, Ba	K, Na, Li, Ca	K, Na, Ca	K, Na, Li	K, Na	K, Na
Channel Qty.	5	4	3		2	
Range ppm	K	0-100				
	Na	0-160				
	Li	0-100	○	0-100	○	○
	Ca	0-1000	○	0-1000	○	○
	Ba	0-3000	○	○	○	○
LOD ppm	K	0.01				
	Na	0.01				
	Li	0.1	○	0.1	○	○
	Ca	2	○	2	○	○
	Ba	6	○	○	○	○
Linear error	K	0.195				
	Na	0.69				
	Li	0.15	○	0.15	○	○
	Ca	3	○	3	○	○
	Ba	9	○	○	○	○
Response time	<8s					
Sample uptake	<6ml/min					
Stability	< 3% drift over15s when continuously aspirating.					
Reproducibility	< 3% coefficient of variation for 7 consecutive samples					
Curve Graph	Display				○	○
Printer	Optional build-in thermal printer					○
COM	USB					○
Fuel	LPG					
Power	AC220V±22V 50Hz±1Hz,250W					
Packing size	570mmX530mmX400mm 0.12M ³ 18kg					

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Technical Specifications:

Detection Limits

Element	mmol/l	ppm ($\mu\text{g/ml}$)
Potassium (K)	≤ 0.004	≤ 0.156
Sodium (Na)	≤ 0.008	≤ 0.184
Lithium (Li)	≤ 0.015	≤ 0.104
Calcium (Ca)	≤ 0.050	≤ 2.00
Barium (Ba)	≤ 0.044	≤ 6.03

Linear Error

Element	mmol/l
Potassium (K)	0.005
Sodium (Na)	0.03
Lithium (Li)	0.021
Calcium (Ca)	0.075
Barium (Ba)	0.066

General Specification

Reproducibility	$\leq 2\%$
Stability	$< 3\%$
Response Time	< 8 seconds
Sample Uptake Volume	< 6 ml/minute
Printer	Integral Thermal Printer
USB Data Output	Optional FPWin Data Collection Software
Display	7 inch Colour LCD touch screen
Languages	English, Turkish, Portuguese, Polish, Russian
Concentration units	$\mu\text{g/ml}$, mg/100ml, mmol/l, meq/l
Gases	LPG, natural gas, propane butane
Dimensions	400 x 250 x 500 mm
Weight	8kgs



Specification for Air Compressor

Type	Single Cylinder Piston Compressor with air tank – OIL FREE
Power	1/6 HP
Speed	1450-1700 rpm
Air Output	20-23 l/min
Adjustable Pressure Range	0 – 6 Bar
Air Tank	3 litres

Analytical Measuring Range

High Range	0 ~ 5ppm
Medium Range	0 ~ 30ppm
Low Range	0 ~ 150ppm