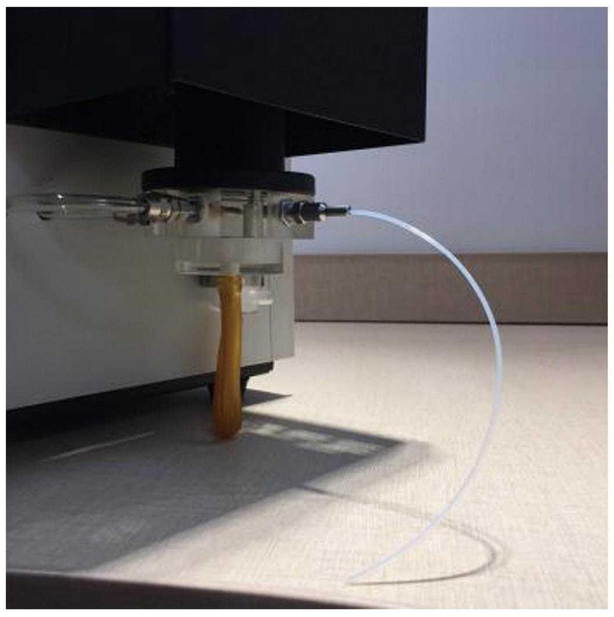
Drawell Flame Photometer

Features

- 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



Parameters

Reproducibility	**≤ 2%**
Stability	**< 3%**
Response Time	**< 8 seconds**
Sample uptake volume	**＜6ml/minute**
Printer	**Integral Thermal Printer**
USB data output	**Optional FP win data collection software**
Display	**7 inch Colour LCD touch screen**
Concentration units	**ug/ml, mg/lOOml, mmol/1, meq/1**
Gases	**LPG, natural gas, propane butane**
Dimensions	**400 x 250 x 500 mm**
Weight	**8kgs**

Detection Limits

Element	Mmol/L	Ppm(ug/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**

Parameters

		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		o	0-100	o	o
	Ca	0-1000		0-1000	o	o	o
	Ba	0-3000	o	o	o	o	o
LODppm	K	0.01					
	Na	0.01					
	Li	0.1		o	0.1	o	o
	Ca	2		2	o	o	o
	Ba	6	o	o	o	o	o
Linear error	K	0.195					
	Na	0.69					
	Li	0.15		o	0.15	o	o
	Ca	3		3	o	o	o
	Ba	9	o	o	o	o	o
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				o	o
Printer		Optional build-in thermal printer					o
COM		USB					o
Fuel		LPG					
Power		AC220V±22V 50Hz±lHz,250W					
Packing size		570mmX530mmX400mm 0.12M3 18kg					

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

Packing List

Item.	Quantities	Qty.
1	Main Instrument	1
2	User manual	1
3	Power cable	1
4	Air compressor	1
5	Pu pipe（air）O6*4	2M
6	Latex pipe（liquid waste）O6	1.5M
7	Capillary（1.8*0.8*180）	1
8	Rubber pipe (liquefied gas)O10	2M
9	Liquefied gas regulator	1
10	Locking chuck(liquefied gas)	1
11	Glass cover	1
12	Cover part (chimney cover)	1

Specification for Air Compressor

Type	Single Cylinder Piston Compressor with air tank – OIL FREE
Power	1/6HP
Speed	1450-1700 rpm
Air output	20-301/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