

# WT-FP SERIES FLAME PHOTOMETER

5elements-----K, Na, Li, Ca, Ba

Direct concentration display

7inch color touch screen





## ▼ Models

FP6430

K, Na, Li

FP6431

K, Na, Ca

FP6450

K, Na, Li, Ca, Ba



FP6440

K, Na, Li, Ca

FP640

K, Na -need  
calculate manually

FP6410

K, Na ( automatic)

## ▼ Applications



### K Na Detection

Detect the Na content in raw pine oil, fuel (crude oil, gasoline, diesel), glass samples, straw and fodder; exchangeable Na content in the soil;



### Na & K Detection

Silicates, inorganic minerals, and metallic minerals, Juice



### K Detection

Test the K content in fertilizer, plant samples, resin mixture, glass samples; available K content in the soil



### Li Detection

Detect the Li content in lubricating oil and grease;



### Ca detection

Detect the Ca content in beer, biological liquids, milk, fruit juice, biscuits and hard bread; Other simple flame photometric measurement of Ca content



### Ba Detection

The simple flame photometric measurement of Ba content;



4C2





## **Na Detection**

1. Detect the Na content in raw pine oil;
2. Detect the exchangeable Na content in the soil;
3. Detect the Na content in fuel (crude oil, gasoline, diesel);
4. Detect the Na content in glass samples;
5. Detect the Na content in straw and fodder;

## **Na & K Testing**

1. Detect the Na and K content in silicates, inorganic minerals, and metallic minerals;
2. Test the Na and K content in the juice;

## **K Detection**

1. Test the K content in fertilizer;
2. Detect the K content in plant samples;
3. Test the available K content in the soil;
4. Test the K content in the resin mixture;
5. Detect K content in glass samples;

## **Li Detection:**

1. Detect the Li content in lubricating oil and grease;

## **Ca detection:**

1. Detect the Ca content in beer;
2. Detect the Ca content in biological liquids;
3. Evaluate the Ca content in milk;
4. Detect the Ca content in fruit juice;
5. Test the Ca content in biscuits and hard bread;
6. Other simple flame photometric measurement of Ca content

Pressure adjusting knob

7 inch color Touch  
screen display

One Key Ignition

Observation window



Air Tube



Waste liquid outlet

LPG Tube

Capillary tube

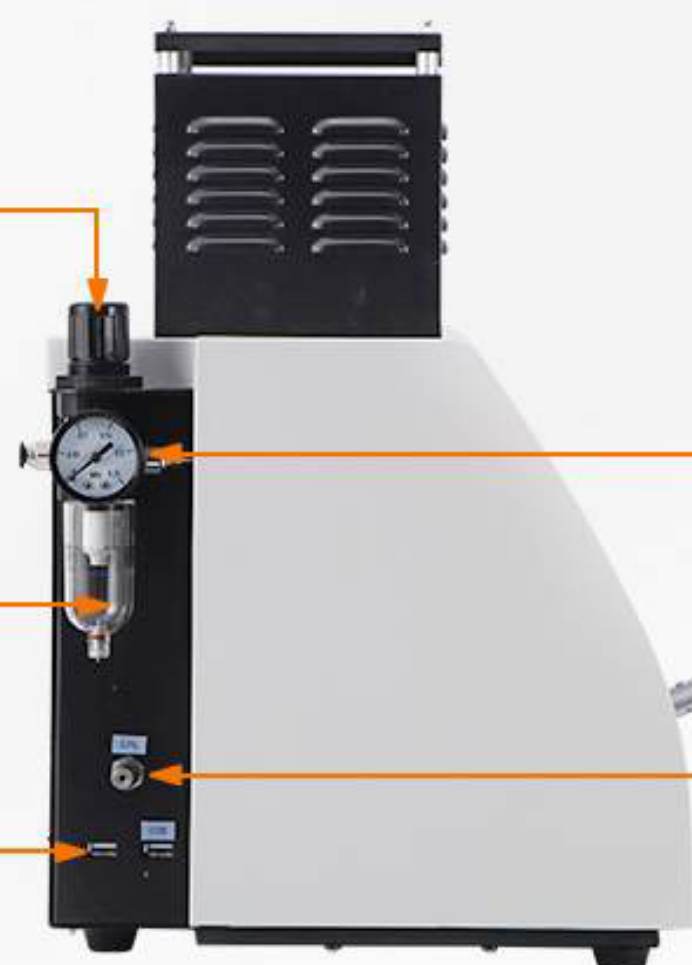
Pressure adjusting knob

Drain valve

USB port for software

Pressure gauge

LPG port





## ▼ Details of the contrast

### Normal

### Upgrade



- ▶ The manual ignition method has been newly upgraded to one-button automatic ignition, which is quick and convenient.



- ▶ A gas flow meter is added to control the flame size, which facilitates adjustment to the optimal detection state.

## After the upgrades

It optimizes atomization effect and improve repeatability during the high concentration measurement !!!!

## ▼ Features



7-inch color touch- screen



Direct concentration display



Automatic calculation of correlation coefficient



Pre-selection of flame sizes



Flame out protection device



Small Sample measurement

## ▼ Specification

	FP640	FP6410	FP6430	FP6431	FP6440	FP6450
Elements	K, Na	K, Na	K, Na, Li	K, Na, Ca	K, Na, Li, Ca	K, Na, Li, Ca, Ba
Reproducibility	≤3%					
Concentration linear calculation	Need calculate manually	√	√	√	√	√
Detection limit mmol/L	K: ≤0.004	K: ≤0.004	K: ≤0.004	K: ≤0.004	K: ≤0.004	K: ≤0.004
	Na: ≤0.008	Na: ≤0.008	Na: ≤0.008	Na: ≤0.008	Na: ≤0.008	Na: ≤0.008
	-	-	Li: ≤0.015	-	Li: ≤0.015	Li: ≤0.015
	-	-	-	Ca: ≤0.050	Ca: ≤0.050	Ca: ≤0.050
	-	-	-	-	-	Ba: ≤0.044



## ▼ Product Details



01

Ignition part

02

Observation window



03

Air compressor provided

04

3 languages: English, Turkish, Portuguese are available for choosing







05

One Key Ignition

06

Adjustable pressure  
gauge



07

Adjust the air flow to  
control the flame size



## ▼ Product Packing



Main Instrument



Air compressor



Rubber pipe  
(liquefied gas)  $\Phi 10$



Latex pipe  
(liquid waste)  $\Phi 6$



Pu pipe  
(air)  $\Phi 6 \times 4$



Locking chuck  
(liquefied gas)



Glass cover



User manual



Power cable



Liquefied  
gas regulator