

# Пламенные фотометры промышленные, исследовательские FF-200, чехлы, водоотделители, компрессоры, фильтры, стандарты для калибровки

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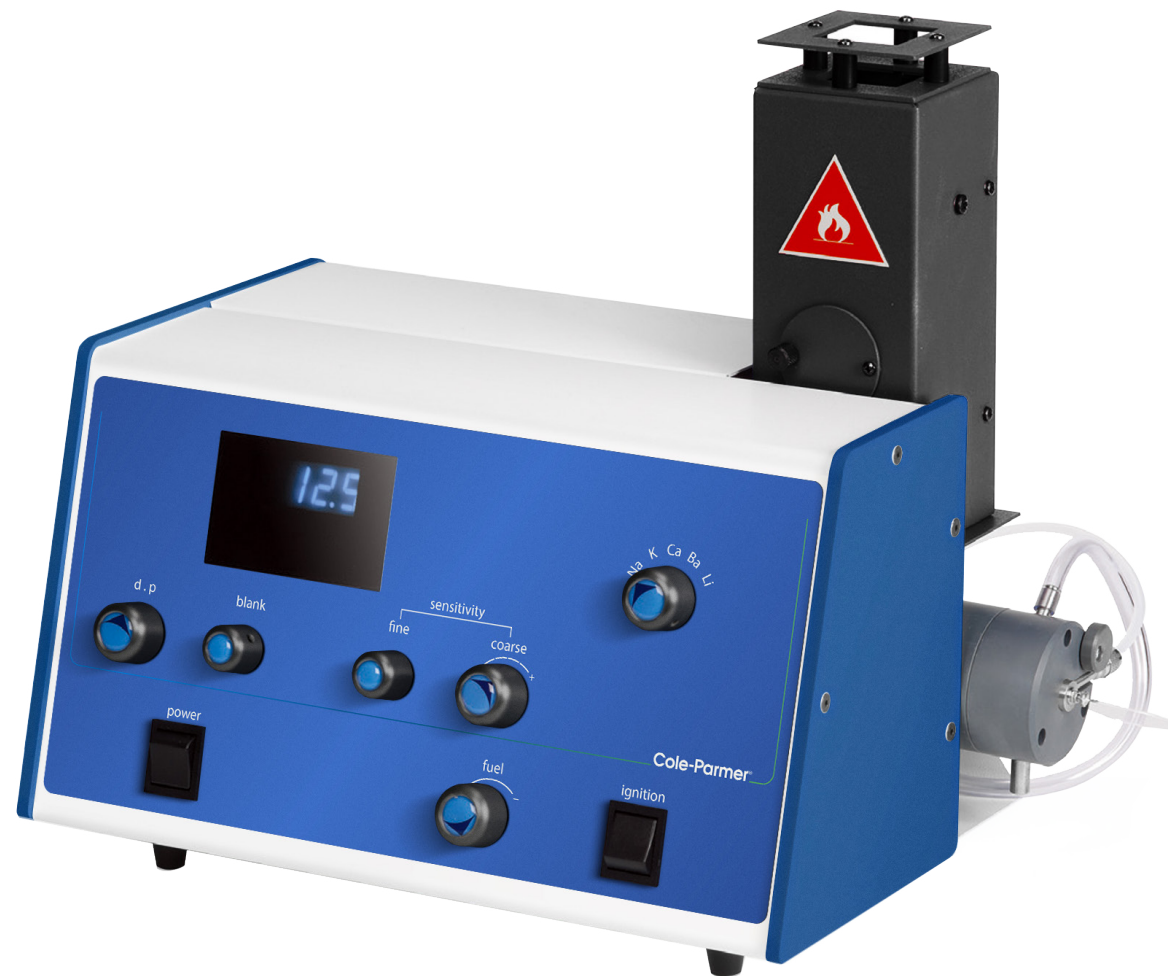
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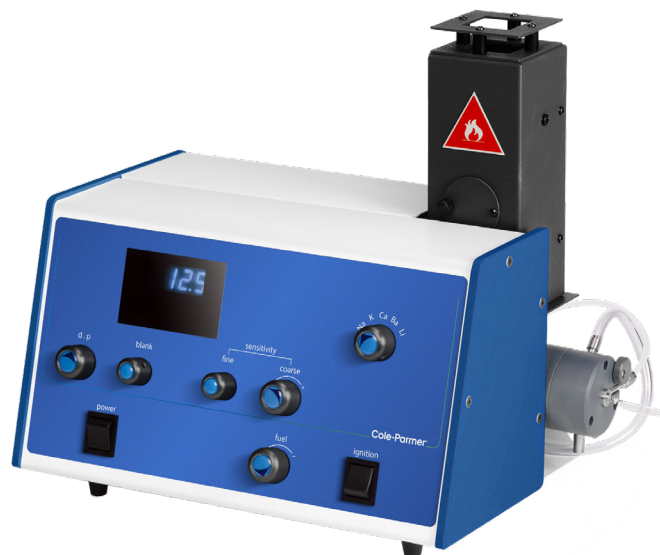
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## FF-200 Series Industrial Flame Photometer

- Designed for industrial analysis
- Supplied with Na, K, Ca, Ba, and Li filters
- Low temperature, single channel
- Flame failure safety system
- Operates with propane, butane, natural gas or LPG
- 3-year warranty



# FF-200 Series Industrial Flame Photometer



The FF-200 Series is a low temperature, single channel flame photometer that is designed for the routine determination of sodium, potassium, calcium, barium and lithium concentrations.

The flame failure safety system makes these products ideal for use in industrial and educational environments. The use of fine and coarse sensitivity controls allows for accurate measurements each and every time.

Unit comes with Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+</sup>, Ba<sup>+</sup>, and Li<sup>+</sup> filters and 2 m (6.5 ft) each of gas and air tubing, and necessary fittings. Order pump, regulator, calibration standards, and cleaning solutions separately.

## Specifications

Model no.	FF-200
Range	0 to 199.9 ppm
Limits of detection	Na: ≤0.2 ppm K: ≤0.2 ppm Ca: ≤15 ppm Ba: ≤30 ppm Li: ≤0.25 ppm
Reproducibility	<1 % coefficient of variation for 20 consecutive samples using 10 ppm Na set to read 50
Linearity	< 2 % error when 3 ppm Na/K and 5 ppm Li are set to read 100
Stability	< 2 % drift over 5min when continuously aspirating 10 ppm sample set to 50.0. Specificity interference from Na/K and Li equal in concentration to test element will be <0.5%
Recorder output	Nominal 1.00 V for a reading of 100.0
Air supply (required)	Moisture and oil free, 6 L/min @ 14 psi
Fuel	Propane, butane, natural gas or LPG
Size (W x H x D)	42 x 36 x 30 cm (16.5 x 14.2 x 11.8 in)
Warranty	3 years

## Ordering Information

Description	Item no.	Series no.	Model no.	Legacy SKU
Industrial flame photometer, 230 VAC, 50/60 Hz	83055-05	FF-200	FF-200D-I	500701
Industrial flame photometer, 120 VAC, 50/60 Hz	83055-02	FF-200	FF-200D-I-120	500731

# Cole-Parmer®

## Cole-Parmer® FF-200 Research Flame Photometer

- Designed for industrial analysis
- Supplied with Na, K and Li filters
- Low temperature, single channel
- Flame failure safety system
- Operates with propane, butane, natural gas or LPG
- 3 year warranty



## Technical Specification

Specification	FF-200
Parameter	FF-200
Range	120 to 160mmol/l Na, 0 to 10.0mmol/l K
Limits of detection Na	0.2ppm
K	0.2ppm
Li	0.25ppm
Reproducibility	<1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50
Linearity	< 2% error when 3ppm Na/K and 5ppm Li are set to read 100
Stability	< 2% drift over 5min when continuously aspirating 10ppm sample set to 50.0. Specificity Interference from Na/K and Li equal in concentration to test element will be <0.5%
Recorder output	Nominal 1.00V for a reading of 100.0
Electrical supply	90-125V or 190-250V @50/60Hz
Air supply	Moisture and oil free, 6 litre/min @ 14psi
Fuel	Propane, butane, natural gas or LPG
Size (w x d x h)	420 x 360 x 300mm
Weight	8kg

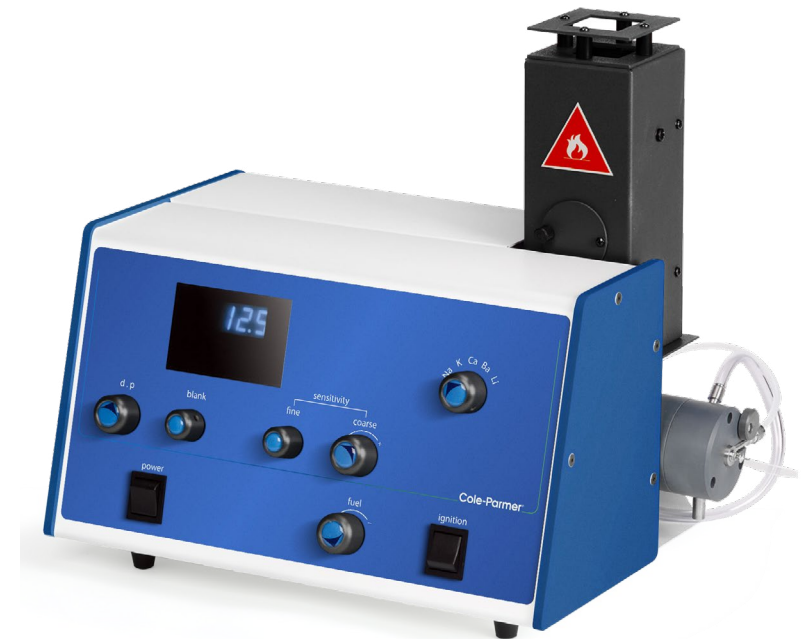
## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Cole-Parmer FF-200 Research Flame Photometer, 230V	12655-00	FF-200	FF-200D-R	500801

# Cole-Parmer® FF-200 Research Flame Photometer

The FF-200 is a low temperature, single channel flame photometer that is specifically designed for use in research applications for the determination of sodium, potassium and lithium.



The in-built lineariser circuitry of the FF-200 enables readings of both sodium and potassium to be displayed directly in mmol/l.



# Cole-Parmer® Accessories for Cole-Parmer® FF-200 Series Flame Photometers



Accessories needed to keep your flame photometer operating, and at its best.

item	Description
 EW-12655-92	Dust Cover for Flame Photometers
 EW-12655-93	Small Water Separator for Flame Photometers

item

Description



EW-12655-94

Large Water Separator for Flame  
Photometers



EW-12655-95

Butane Regulator Assembly for Flame  
Photometers



EW-12655-96

Propane Regulator Assembly for Flame  
Photometers



EW-12655-98

Air Compressor for Flame Photometers;  
230V - 50/60 Hz

item

Description



EW-12655-99

Air Compressor for Flame Photometers;  
120 V



EW-99956-52

Replacement Fuel Filter for Flame  
Photometers



EW-99956-56





Lithium Filter



EW-99959-34

Calibration Standard, 500 mL



item	Description
 EW-99959-36	Calibration Standard, 1000 ppm Ca
 EW-99959-39	Calibration Standard, 1000 ppm Na
 EW-99959-40	Calibration Standard, 1000 ppm K
 EW-99959-41	Calibration Standard, 1000 ppm Li

item

Description



EW-99959-42

Calibration Standard, 3000 ppm Ba



EW-99959-56

Cleaning Solution for Flame  
Photometers, 1 L

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