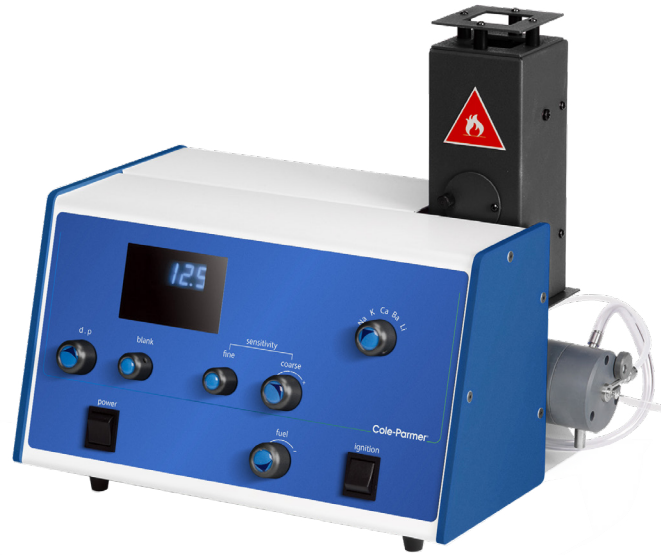# Cole-Parmer®

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+, K+, Ca+, Ba+, and Li+ 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

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+1.847.549.7600

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China: +86 21 5109 9909
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Germany: +49 (0) 9377 92030

India: +1 800 266 1244
Italy: +39 (0)2 84349215
UK: +44 (0) 1480 272279
All other countries: +1 847 549 7600

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