

Flame Photometer, A. KRÜSS Optronic



Flame Photometer FP8000 Series

With the flame photometers of the FP8000 series, even the lowest concentrations (Measuring range: 10 – 2 to 103 ppm) of alkali and alkaline earth elements in aqueous solutions can be determined particularly cost-effectively and user-friendly. The models of the FP8000 series are worldwide unique for the simultaneous measurement of the elements Na, K, Ca and Li in the laboratory and process analysis¹⁾. Thanks to proven measuring methods and modern instrument electronics, the flame photometers achieve precise and reproducible measurement results in a matter of seconds with maximum operational reliability. The FP8000 series offers suitable models for individual measurements, fully automatic measuring operation, continuous operation and use as a process instrument.

¹⁾Other alkali and alkaline earth elements on request if required

Technical data:

Calibration:	Linear with 2 standards Non-linear with 6-8 standards, cubic approximation
Drift:	1% in 60 min
Reference:	Lithium guideline with 5 mmol/l Caesium guideline on request
Combustion gas:	Propane: recommended for alkaline elements Butane: possible substitute for propane
Display:	with integrated 8.4" TFT touchscreen, 800 × 600 pixels
Accessories:	24-character plain paper printer Calibration standards and cleaning solutions Spare parts and accessories directly from the manufacturer
Upgradeability:	Retrofit kits to other models available



	FP8400	FP8500	FP8600	FP8700
Measurement range:		0.01 – 4500 ppm für Na/K/Li 0.50 – 4500 ppm für Ca		0,1-45000 ppm für Na/K/Li 5,0-45000 ppm für Ca
Sample volume:	2.5 ml	2.5 ml	2.5 ml	0.25 ml
Interfaces:	2 × USB 1 × Ethernet 1 × RS-232 for printer	2 × USB 1 × Ethernet 1 × RS-232 for printer Upgrade 4-20 mA analogue, passive current interface	2 × USB 1 × Ethernet 1 × RS-232 for printer	2 × USB 1 × Ethernet 1 × RS-232 for printer

Article	Order No.
FP8400 Flame photometer	10 61 18400
FP8500 Flame photometer	10 61 18500
FP8600 Flame photometer	10 61 18600
FP8700 Flame photometer	10 61 18700

