

FLUXANA®

XRF Application Solutions

NEW: BORAMAT® 18 Material Doser

NEW: BORAMAT 18
automatic dosing
of up to 18 samples



Also available as
BORAMAT® Mono

Patent pending

BORAMAT® 18

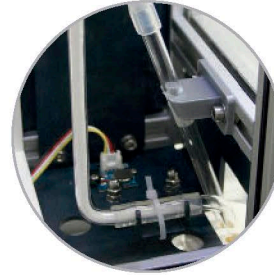
Dosing of up to 18 samples of flux with the automatic dosing machine BORAMAT® 18. Greatly improve the efficiency and precision of your weighing routine and save time during sample preparation in your XRF laboratory. The intelligent software and monitoring functions minimize error and increase security in the whole weighing process.



• easy changing and refilling



• bottle for up to 3 kg flux



• fast, precise dosage, free from contamination

Autosample

os.	Tara / g	Flux / g
0		
1	11,2106	8,0008
2	14,6669	8,0001
3	14,5957	7,9997
4	11,7989	7,9996
	15,0273	8,0000
	14,5583	7,9999
	11,5286	8,0000

- intelligent flow behavior optimization
- weighing protocols
- ready for LIMS



- automatic weighing of 18 samples
- adapters for different crucibles and beakers

• three weighing modes:

- sample/flux ratio
- catch weight
- absolute weight



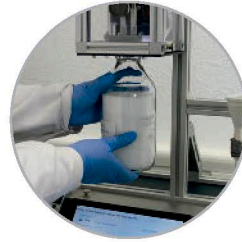
- additional scale for sample weighing
- integrated high quality scale

BORAMAT[®] Mono

The BORAMAT[®] Mono is an automatic dosing machine for flux in XRF analysis. It is designed to improve day-to-day routine in the laboratory, allowing the user to weigh faster and monitor every weighing. Since it is compatible with all common laboratory scales, it can be installed in most laboratories without having to invest in a new scale.



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- intelligent flow behavior optimization
- documentation of weighing protocols
- ready for LIMS

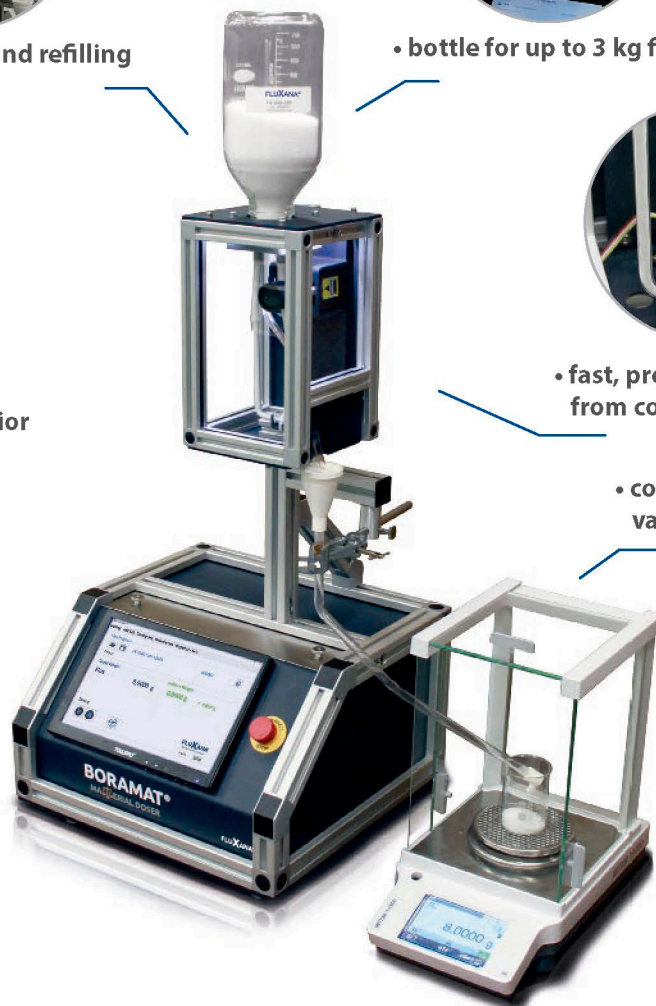
• three weighing modes:

- sample/flux ratio
- catch weight
- absolute weight



• fast, precise dosage, free from contamination

• compatible with scales from various manufacturers



Scale

The BORAMAT[®] Material Doser is compatible with all common professional laboratory scales that have an RS232 serial port. This will allow most customers to **use a scale that is already in their laboratory**. If you require a new scale, we can provide a scale optimized for dosing with the BORAMAT[®].



Use your own scale!

Easy and quick three step dosing



Technical Data

Technical Data	BORAMAT® Mono	BORAMAT® 18
Weight	17 kg	66 kg
Power connection	100-240 V 50/60 Hz	100-240 V 50/60 Hz
Length	390 mm	860 mm
Width	370 mm	560 mm
Height (without bottle)	760 mm	980 mm
Supply bottle	Thread GL45	Thread GL45
Maximum bottle size	3 kg	3 kg
Minimal balance precision	0.0001 g	0.0001 g
Uncertainty (P = 95%)	0.0020 g	0.0020 g
Software	Windows 10	Windows 10
Scale requirements	Max. capacity: 220 g Readability: 0.1 mg Connection: RS232	High precision scale integrated

Example weighing 8 g of FX-X65-2P

Pos	Flux / g
1	8.0008
2	8.0001
3	7.9997
4	7.9996
5	8.0000
6	7.9999
7	8.0001
8	8.0000
9	7.9998
10	8.0007
11	7.9998
12	7.9997
13	7.9996
14	8.0001
15	7.9998
16	8.0002
17	8.0001
18	8.0005
Mean	8.0000
Stdev	0.0003

Lithium Borates

Borate flux with guaranteed purity, **especially designed for use with the BORAMAT®**. The flux consists of micro beads allowing precise dosing and creating a perfect surface when dissolved in a fusion machine. It is anhydrous and has a low loss on ignition.

The BORAMAT® has to be operated with the micro bead flux listed below.



Item No.	Description	Quantity in kg	Packaging
FX-X65-2P	Lithium tetraborate: Lithium metaborate 66:34	2	Bottle
FX-X65-25P	Lithium tetraborate: Lithium metaborate 66:34	25	Barrel
FX-X100-2P	Lithium tetraborate	2	Bottle
FX-X100-25P	Lithium tetraborate	25	Barrel

Additional mixtures and additives on request.



Accessories

Table

- Professional tables made of robust steel
- Height 730 mm, length 910 mm, width 760 mm
- The tables have an integrated drawer for all required accessories



Laboratory accessories

- Certified reference materials
- Platinum ware
- Sample storage
- Chemicals

Application Support

- Ready-to-go application packages
- Expert guidance from our professional laboratory
- Staff trainings and seminars





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