

Fully Automatic Water Release More Efficient KF Titration



Plug and play

Just connect Stromboli to the titrator using the cable supplied and switch on both instruments. You are now ready for your first measurement. Stromboli is controlled by the titrator. It does not have any operating elements and does not require special installation or configuration.



Easy sample handling

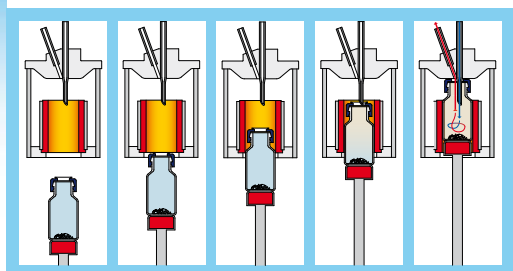
The 20 mL sample vials are designed for quick and easy handling: you simply add the sample, cover the vial with an adhesive foil and place a rubber seal on top.

Once the analysis is complete, you can easily remove the seal and reuse both seal and sample vial. You need no special tools and nothing is wasted.



Clear display

Stromboli displays the actual and the preset oven temperature in large blue illuminated numerals on the top of the instrument.



Clever mechanism

The robust design of Stromboli's sample handling mechanism ensures trouble-free processing of samples and correct results. The sample vial is lifted from the turntable with a heating plate and moved up into the oven. Inside the oven the vial is constantly heated from all sides to assure an even temperature distribution. The foil between the rubber seal and the vial is pierced by the glass capillary. The water released by the sample is transferred to the titration vessel via the applied gas flow. The specially designed rubber seal ensures that no vapors can escape.



Stromboli KF oven sample changer Titrate more efficiently

Titration with automatic titrators offers numerous advantages such as improved reproducibility of results and simplified working procedures. But to perform analyses really efficiently means that sample changing has to be automated. This allows laboratory staff to concentrate on other important tasks while the samples are processed.

In combination with a V30 or C30 Karl Fischer titrator the Stromboli sample changer enables up to 14 samples to be titrated in unattended operation.

The samples are automatically transferred into a temperature controlled oven from where the evolved water is transferred to the titration cell via an applied gas flow.

Stromboli KF oven sample changer

Order information	Order no.
Stromboli	51105200
Including standard equipment:	
• Gas drying unit including flow meter	51108660
• Tube set for drying unit	51108666
• Glass tube set	51105216
• Transfer tube	51108837
• Stoppers (Teflon)	51108668
• Gas inlet V30	105091
• Gas inlet C30	51108669
• Glass tube set for oil	51105251
• Sample vials 20mL (46 glass vials)	51108691
• Aluminum seals for sample vial (144 seals)	51108693
• Caps for sample vials (46 caps)	51108692
• Operating instructions	51710322
Optional equipment:	
• Air pump with cable	51108673
• Connection cable Stromboli / Air pump	51108848
• Stop valve for carrier gas	51108615
• Heatable Transfer tube with cable	51108836



Technical data	
Temperature range	50...300 °C
Temperature accuracy	±3 °C
Dimensions overall	250 x 400 mm
Height	300 mm
Voltage (auto selection)	100...240 VAC
Power consumption	164 VA
Weight	5 kg

Wide range of applications

Stromboli is ideal for accurate water determination of solid or viscous samples like:

- Substances that release water only at elevated temperatures such as plastics in powder or granular form
- Substances that cause side reactions with Karl Fischer reagent such as oxidizing inorganic salts
- Substances that cause problems in the titration vessel due to their consistency such as fibrous or pasty substances
- Substances that are poorly soluble or insoluble such as wool, dough, tar or coal

Application recommendations:

- The water content should be at least 500 µg per sample
- As purge gas air or nitrogen can be used. For samples that decompose with air at high temperatures, the use of nitrogen is recommended
- To find the ideal heating temperature for your sample, please check the "Karl Fischer Application Brochure"



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