

Instruments for œnology.

pH, Total Acidity , SO₂, Chlorides
and Reducing Sugars.



Automatic and semi-automatic analysers.

PH-Burette 24 1S and 2S.

High-performance pH-meter with integrated digital Burette. Combining measuring+dispensing functions the PH-Burette 24 becomes an end point titrator with automatic stop. The first step to automatic titration.

Two versions:

- Single, with one Burette, and completed with the desired kit.
- Double, with two Burettes, and completed with the desired kit.

pH and Total Acidity Kit, includes pH electrode, ATC probe and support for sensors with magnetic stirrer.

SO₂ Kit, includes double platinum electrode and support for sensor with magnetic stirrer.

Chloride Kit, includes silver electrode and support for sensor with magnetic stirrer.



PH-Burette 24 2S with two kits, pH - T.A. + SO₂.

TitroMatic, automatic titrator.

Titrators adapted to specific analyses.

They provide precise results in short analysis time with minimum user's participation.

Supplied in complete set with all the accessories and sensors required.

Versions to work "one by one sample" or with Sampler 15 or Sampler 45.

Specific TitroMatic for pH and Total Acidity.

Instrument with 1 syringe and 1 peristaltic pump for sample dosing without pipette ("automatic levelling").

Titration with NaOH until a predefined pH value is reached (pH 7 according to O.I.V., or pH 8,2 according to A.O.A.C.).

Specific TitroMatic for free, total and double SO₂.

Instrument with 1 syringe and 3 peristaltic pumps for "automatic levelling" and for acid and alkali reagent addition.

Analysis according to Ripper method.

Double TitroMatic, specific for pH - Total Acidity + SO₂.

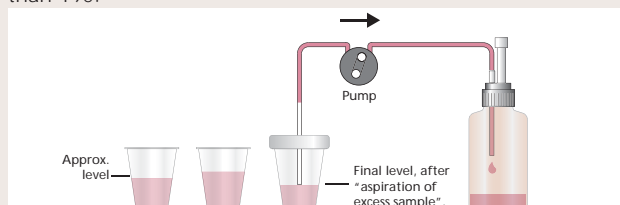
Instrument with 2 syringes and 3 peristaltic pumps. One single instrument can perform the two analyses.

Specific TitroMatic for chlorides.

Instrument with 1 syringe and 2 peristaltic pumps for "automatic levelling" and for acid reagent addition.

Automatic levelling.

Pour an approximate amount of the sample. The pump will draw up any excess, adjusting the volume exactly. Reproducibility better than 1%.



Specific TitroMatic for pH and T.A.



Double TitroMatic, specific for pH, T.A. and SO₂.

Complements.

Automatic sample changers.

Higher autonomy: 15 or 45 sample analyses without user intervention.

Perfect lab assistant. The Sampler helps with analyses by automating processes such as pH electrode calibration, addition of samples or addition of auxiliary reagents in SO₂ analysis.

Sampler 15

15 positions, 14 for samples and 1 for sensor cleaning.

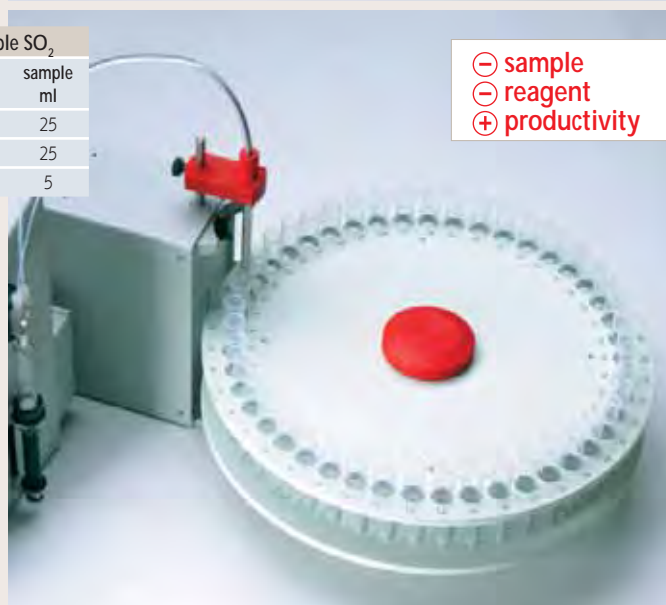
Sampler 45

45 position for "micro" analysis in 17 mm-diameter tubes.

- Increases speed of analyses.
- Saves large amount of sample.
- Decreases the titrant consumption.
- Decreases the waste in 1/5 part or less.



Analysis Working mode	Total Acidity		Free SO ₂		Total SO ₂		Double SO ₂	
	Samples per hour	sample ml	Samples per hour	sample ml	Samples per hour	sample ml	Samples per hour	sample ml
One by one	60	30	60	25	6	25	6	25
Sampler 15	60	30	60	25	40	25	30	25
Sampler 45	100	5	100	5	80	5	60	5



Degassing electrovalve

Can be connected to TitroMatic to automate the degassing process previous to the total acidity analysis (inert gas bottle is required).

External keyboard

For introducing data, company name, user name, sample codes,...

Printer

It allows to obtain printed reports of the performed analysis.

TiCom Software

This is a programme for Windows environment. Key features: database, reports, export data to Excel, etc.

Automatic analyser for Reducing Sugars.

NEW

- According to Rebelein method.
- Calibration with 1 single standard.
- Resolution and Reproducibility better than $\pm 0,1$ g/l
- Analysis capacity: up to 30 samples/hour.
- Allows the calibration of Infrared analysers.
- An optional special Burette simplifies the sample preparation.

Ask for detailed information.

Optional: Sampler 20



Other CRISON products...

