



Automatic Titrators TitroLine 5000

SI Analytics

Automatic Titrators TitroLine® 5000

Very compact titrator for simple routine titrations. Thanks to the standard methods the creating of methods is no longer required. Just load the method and press the start button. GLP compliant results with titration curve can be documented on a connected printer or USB-memory stick.

-Following titration modes are possible:

- Titrations to pH, mV and μA endpoint (2 EP)
- Titrations to one equivalence point (pH und mV) with dynamic or linear titration addition
- Manual titrations with the controller
- Dosing tasks
- Number of methods: 5

Typical applications for the TitroLine® 5000 are:

- Salt content in foodstuffs (cheese, soy sauce, ketchup)
- Total acidity in wine and beverages
- Nitrogen according to Kjeldahl
- Chloride in drinking water and other samples
- Alkalinity (p + m-value)
- FOS/TAC

**Supplied with:**

TL 5000/20 M1: Basic unit without electrode, with ready to use assembled 20 ml dosing unit TZ 3130 with hoses, fittings and titration tip, controller TZ 3880, titration clamp Z 305, stand rod TZ 1748 magnetic stirrer TM 50 and power supply 100-240 V

TL 5000/50 M1: as TL 5000/20 M1, only with ready to use assembled 50 ml dosing unit TZ 3160

TL 5000/20 M2: as TL 5000/20 M1, additionally with pH combination electrode and buffer set

TL 5000/50 M2: as TL 5000/20 M2, only with ready to use assembled 50 ml dosing unit TZ 3160

TL 5000/20 M3: as TL 5000/20 M1 additionally with Ag electrode and electrode cable

Specifications

Measuring input electrode pH/mV-input with DIN or BNC socket
 Measuring input Pt 1000/NTC 30: Temperature sensor connection for resistance probes Pt 1000 or NTC 30 (socket: 2 x 4 mm)
 Interfaces: 1 x USB A und 1 x USB-B
 2 x RS-232-C
 Stirrer connection: TM 50 power supply directly through piston burette
 Keyboard: The unit is operated using the keys on the device itself, the controller TZ 3880 and optional PC-keyboard (USB)
 Display: graphics-capable TFT display
 Dosing units: 20 ml or 50 ml dosing unit, interchangeable
 Burette resolution: 8000
 Dosing accuracy: systematic error 0.15 %, random error 0.05 % in compliance with EN ISO 8655-6
 Supply requirements: 230V, 50/60Hz
 Conformity: ISO 8655, part 6
 CE-mark: EMC: 2004/108/EG; safety EG- Directive 2006/95

Code	Description	Packaging
LLG09863184	Automatic Titrators TitroLine® 5000, Type TL 5000/20 M1	1 pz.
LLG09863186	Automatic Titrators TitroLine® 5000, Type TL 5000/20 M2	1 pz.
LLG09863191	Automatic Titrators TitroLine® 5000, Type TL 5000/20 M3	1 pz.
LLG09863185	Automatic Titrators TitroLine® 5000, Type TL 5000/50 M1	1 pz.



Code	Description	Packaging
LLG09863187	Automatic Titrators TitroLine® 5000, Type TL 5000/50 M2	1 pz.



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