

# TITREX

## One instrument for all your titration and dosing applications

The digital burette **TITREX** is ideal for a fast and sensitive titration “drop by drop”. One instrument simulates all volumes up to 99.99 ml. Moreover, titration is possible without any loss of reagent! From air-purging, necessary for a precise titration, to disassembly of the burette in the end of the titration – the reagent, that is not needed for the titration flows back into the bottle! **TITREX**'s accuracy and precision are of highest quality. Our error ranges are better than those required by ISO 8655. The memory function allows saving of up to 1000 values, which can be transferred to a PC and read using the included software.



Digital display

Handwheel

Fine adjustment - with an additional knob the desired amount can be easily titrated or dispensed more precisely

only available at fine adjusted version

Reset button / Calibration button

**TIT-Button: Titration mode**

**DOS-Button: Dosing mode**

**MEM-Button: Storage of data**

The displayed value can be stored in the internal memory. This memory can be readout with the provided software and interface cord (RS232).

Discharge tube with protective sleeve

- 0° dosing and titration mode
- 90° air-purging mechanism in a closed circuit
- 180° rest position 100% drip-free

### Parts in contact with reagent:

The components having direct contact with the reagent are made of chemical resistant materials: Platinum springs, ceramic valve balls, PTFE piston, borosilicate glass 3.3 cylinder

# Bottle-Top Digital Burette



## Quick and precise volume setting

The dispensing and titration volume can be set by turning the handwheels.

The mode can be changed by pressing „DOS“ respectively „TIT“.

The display shows the emitted volume („TIT“ mode) respectively the filled volume („DOS“ mode).

## Perfect air-purging mechanism for 0% reagent loss

Turn the discharge tube at 90°. Remove (purge) trapped air without reagent loss by pumping in a closed circuit.

The reagent flows back into the bottle! After pumping 2 or 3 times the dispenser is free of air and ready to use.

This special feature not only helps to save residual reagent but also when accidentally setting the wrong volume!



**NEW**



**NEW**

## 360°-turn for your added safety

No matter how much you tighten **TITREX**, you can always redirect the discharge tube by simply turning the valve block to the desired position. This way the label of the bottle is always visible.

This feature works for all our adapters. Adapters for different bottle threads can remain on the bottle.

## 100% drip-free system for your safety

By turning the discharge tube at 180° all liquid flows back into the bottle.

**TITREX** is completely closed and no accidental discharge can occur by inadvertently moving the piston.

There is absolutely no dripping possible!



**180°**



## “Do-it-yourself” recalibration for a long life time

If you use **TITREX** as a measuring device in conformity to ISO 9001 and GLP, you need to control and monitor its accuracy and reliability.

Therefore you can easily recalibrate the value by pressing „CAL“ until the display shows „CAL“. With the buttons „+“ and „-“ you can now adjust and correct the value.

**TITREX** can also be adjusted to liquids with other density and viscosity.

## TITREXSOFT

Included in scope of supply



Store up to 1000 values by pressing the „MEM“ button. These stored values can be read with the provided software **TITREXSOFT**.

Dispensed and titrated values can be shown together or separated. Read values can be saved in a file and afterwards imported into any spreadsheet program.



## Your advantages at a glance:

- high quality precision instrument, made in Germany
- highest accuracy and precision, our error ranges are better than the DIN EN ISO 8655 requirements
- resistant against most acids and alkalis
- exclusive instrument with 0% loss of reagent - air-purging and draining within a closed circuit **NEW**
- 360° rotatable valve block for your added safety **NEW**
- two-in- one instrument: dosing & titration
- covers the complete volume range up to 50 ml when used as a dispenser and up to 99,99 ml when used as a burette
- easy and precise volume setting
- vertical valves: no sedimentation, no contamination
- 100% drip-free by turning the cannula at 180°
- data storage: up to 1000 values - transfer to PC possible due to RS232 interface
- calibration: standard with water of 20°C  
software enables saving the next calibration date  
recalibration for liquids of different viscosities possible e.g. determination of acid content in milk
- easy to dismantle and to clean, valve block autoclavable at 121°C
- automatic power-cut-off after three minutes
- individual certificate, CE label and serial number
- DE-M marked according to the German calibration law, valid from January 2015

TITREX inclusive software

Type	Volume	Accuracy	Coefficient of variation	Order number
	ml	± ml	≤ ml	
Standard	0-50	0.03	0.01	5 497 050
Fine adjustment	0-50	0.03	0.01	5 497 150

### Scope of supply

Titrex, suction tube, discharge tube, instruction manual, individual certificate, serial number, battery charger, software TITREXSOFT, RS232 interface cord, thread adapter A25, A28, GL45/32, S40

