



The first address for FOS/TAC analysis

The new TitroLine® 6000

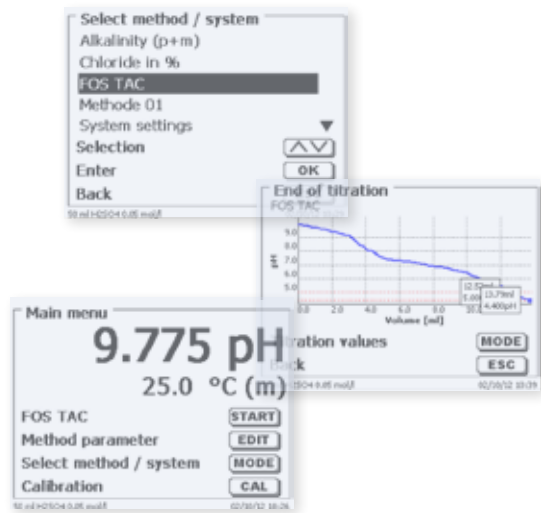
The new autotitrator TitroLine® 6000 make FOS/Tac titration an easy task

The perfect titrator for FOS/Tac titrations. With innovative features for simple and easy operation - without sacrificing accuracy.



- ▶ Ready to use method for titration FOS/Tac. A complicated parametrization becomes redundant.
- ▶ Complete with robust low maintenance pH electrode.
- ▶ High visibility, full color display that can be easily viewed from a distance and at extreme angles.
- ▶ Storage of results on USB drive (PDF or CSV format).
- ▶ Customizable through three USB and two RS232 interfaces (e.g. additional pH- or mV-Titrations).

SI Analytics
a xylem brand



Application example for the water/wastewater and environmental analysis: FOS/TAC

An important parameter for monitoring the fermentation process of biogas plants is a titration method commonly known as FOS/TAC value. The TAC value is determined using 20 ml of a centrifuged sample from the fermenter titrated to pH 5.0 with 0.05 mol/l sulfuric acid. The FOS value is determined by a titration of the same sample to a pH of 4.4. Both titrated ml values are then used in the following calculation formula.

$$\text{TAC} = \text{ml H}_2\text{SO}_4 \text{ to pH } 5.0 \times 250$$

$$\text{FOS} = (\text{ml H}_2\text{SO}_4 \text{ from pH } 5.0 \text{ to pH } 4.4 \times 1.66 - 0.15) \times 500$$

A different sample volume could also be considered. The FOS/TAC value is the average calculated value. The method and all parameters and calculation formulas are stored as a standard method in the TitroLine® 6000.

Ordering information:

Type No.	Order No.	Description
TL 6000-M2/50	285220090	TitroLine® basic unit with magnetic stirrer TM 235 and 50 ml exchangeable unit WA 50, with brown glass bottle for titrant, GL 45 and S 40-bottle adapter, tubes, drip tube and titration tip. With pH-combination electrode A 7780 1M-DIN-ID and buffer set.

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