



## TIM865 pH/EP/IP Potentiometric Titrator with 2 Burette stands of 25 mL & 50 mL (Radiometer Analytical)

Produktnr: R21T053

### UTGÅNGEN ARTIKEL

Den här artikeln är inte längre tillgänglig.

Föreslagna ersättningar:

- X51T027
- X51T028

### Ready for immediate analysis

Compact pH/end point/inflexion point Titrator, biburette, for routine analysis. With two burettes: 25ml and 50ml.

End point titration: 1 to 4 pre-set end points

Inflexion point titration: Auto determination of 1 to 8 inflexion points, with programmable IP acceptance windows

IP detection using 1st and 2nd derivative curve

Titration stops at: pH, mV, ml, IP number

Titrant addition techniques: incremental dynamic, incremental monotonic and continuous dynamic

Titrant calibration

pH electrode calibration: up to 5 points using IUPAC standards or 4-7-10 Series buffers with error recognition on buffer used

Direct pH/mV measurements with recording on stable reading

Back titration with manual or automatic reagent addition (with ABU52)

Sequencing of up to 10 methods

Coupling of 2 to 4 methods in one beaker

Method reprocessing

### Intelligent design ensures effortless setup and maintenance

Electrodes and tubing slot secure in place with one easy movement thanks to our unique bayonet concept. For convenient installation and maintenance, the mono-block titrating burette is mounted in no time.

### Intuitive interface guides you at every step

Titration Manager prompts you with clear-text messages in a choice of languages, making it so much easier when you're doing routine work. The titration curve is easy to follow live on the large graphic display together with electrode and titrant status.

### One-touch selections and preprogrammed functions make titrations easy to run

Interface gives instant access to routine functions, making it by far the simplest titrator of its generation. Preset routines guide you when running analyses, repeating measurements and performing maintenance. Titrator allows you to automatically sequence and repeat

measurements- ideal for direct measurement followed by a titration. Predefined electrode and reagent libraries mean you save time and effort setting up your application.

### **High-resolution burette, unique addition technique and special algorithms ensure accurate results**

Integrated titrating burettes offer the highest resolution on the market giving unbeatable accuracy for your potentiometric titrations. Innovative electronic design supporting effective PID regulation loop algorithms combined with incremental or dynamic continuous titrant addition modes allow you to reach end points or to determine inflection points even more quickly. Whether you are working with sharp or weak curves or running single or multiple IP, detection is fast and reliable.

### **Efficient result recording meets strict traceability requirements**

On the Titrator, all interfaces are standard so you can add to your system as you wish. Increase your sample throughput from 10 to 126 samples using one of our sample changers. Add up to 4 additional burettes and 4 electrode inputs thanks to the versatile ABU52 dual burette system. Simplify data entry by connecting a standard PC keyboard and a bar code reader. Obtain virtually unlimited storage capacity for your results with TitraMaster 85 PC Software.

---

## **Specifikationer**

Analoga elektroder, ingång (hög impedans): 2 HiZ

Ändpunktstitrering: 1 to 4 End points

Användar-ID: up to 16 characters, alphanumeric

Användardefinierade provresultatsberäkningar: 2 equations per analysis with acceptance criteria

Användargränssnitt: Rubber soft touch alphanumeric keypad

Automatiskt tillsats av reagens : 1 to 3 simultaneous or consecutive

Beständigt minne: Battery saved

Brytpunktstitrering: up to to 8 Equivalent points

Burette Max Permissible Errors: Random and Systematic (Master): ±

Byrett: motorupplösning: 18000 steg

Byrett: stativ/krantyp : Fixed

Byrett: tillgängliga volymer : 5: 1 ml, 5 ml, 10 ml, 25 ml & 50 ml

Certifieringar: CE marking

cETLus certification

Direkt mV-mätning : -2000 - +2000 mV with record on stable reading or max time

Direkt pH-mätning : -9 to 23 pH with record on stable reading or max time

Displaytyp: 240 x 160 pixel

Elektrodingångsanslutning: up to 4 analogue inputs with ABU52

Förlängning för titrerings/doseringsenhet: up to 4 with ABU52

Inbyggd titrering/doseringsenhet(er): 2 embedded burette motors

Intern lagringskapacitet, kalibrering: last 100 FIFO management

Intern metodlagringskapacitet: 50

Intern resultatlagringskapacitet: Last 200 FIFO management

Kalibreringsintervall : 1 to 999 days

Kapslingens Skyddsklass IP: Fully splashproof chemical resistant lathene

Konduktivitet, upplösning: 0.1 % of the range, full scale

Kontinuerlig dynamiskt titranttillsats: Addition speed from 0.01 to 50 mL/min

Lösenordsskydd: up to 10 characters, alphanumeric

Matningskrav (Hz): 47.5 - 63 Hz

Matningskrav (Spänning): 115/220 V AC

Metod-ID:	up to 16 characters, alphanumeric
Metodkoppling/sekvensiering:	up to 6 methods linked in the same beaker
mV-upplösning :	0.1 mV
Ombearbetning av kurva/resultat:	Automatic or Manual
Omgivningsförhållande: relativ luftfuktighet :	20 - 80%
Omgivningsförhållande: temperatur :	5 - 40 °C
Omrörningshastighet :	0 to 1100 rpm in 50 rpm steps
PC data transfer software :	Serial RS232 TitraMaster 85
pH Electrode calibration:	1 - 5 Standards, with auto recognition & acceptance criteria
pH-upplösning :	0.01 pH
pH/mV STAT titration:	Stat-PID: for weakly or non buffered samples; Stat-AAA: for samples with significant buffer capacity; Stat-temp.: addition regulated according to sample temperature
Polarised electrode input:	-1 - +1 mA in 1 µA step, DC or AC
Printer:	Serial RS232
Prov-ID:	up to 16 characters, alphanumeric
Provantal:	up to 126 samples
Provresultat:	up to 8 results per analysis with acceptance criteria
Provtagarstativ:	Embedded with magnetic stirring
Provväxlare:	Serial RS232 with SAC850 & SAC950
QC-provhantering:	with acceptance limits
Result ID:	up to 16 characters, alphanumeric
Signal:	Serial RS232
Språk:	English, German, Danish, French, Italian, Spanish, Swedish
STAT titration Mode:	One-way or Two-ways Stat, burette operation depending on pH/mV; Continuous Stat titration, one reagent, burettes used consecutively for uninterrupted control; Synchronised Stat titration, two reagents, burettes operate simultaneously.
Temperaturupplösning :	0,1 °C
Tillåtna bägarvolymmer :	5 to 400 mL
Titrantkalibrering:	with acceptance criteria
TTL-ingång/-utgång:	1 Input/2 Outputs 0-5 V & 0-12 V
Vikt :	5 kg excluding reagent bottles.