



TIM845 pH/end point/inflexion point Titration system

Produktnr:

R41T039

UTGÅNGEN ARTIKEL

Den här artikeln är inte längre tillgänglig.

Volumetric titrator - ready for immediate analysis

Compact pH/end point/inflexion point Titrator, burette, for routine analysis. Without burette stands.

<TableBullet/>Plaintext messages and status bar

<TableBullet/>End point titration: 1 to 2 preset end points

<TableBullet/>Inflexion point titration: Auto determination of 1 to 4 inflexion points, programmable IP acceptance windows

<TableBullet/>Coupling of 2 methods in one beaker

<TableBullet/>Titrant addition techniques: incremental dynamic, incremental monotonic and continuous dynamic

<TableBullet/>Large graphic display for online-curves

<TableBullet/>pH electrode calibration: up to 5 points using IUPAC standards or 4-7-10 Series

Intelligent design ensures effortless application 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 and unique addition technique 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.

Assistant function and extensive data storage give complete confidence in your results

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.

Specifikationer

Analoga elektroder, ingång (hög impedans):	2 HiZ
Ändpunktstitrering:	1 to 2 end points
Användar-ID:	Up to 16 characters, aphanumeric
Användardefinierade provresultatsberäkningar:	1 equation per analysis
Användargränssnitt:	Rubber soft touch alphanumeric keypad.
Användarprogram:	7 preset: Alkalinty, TAN, Acidity in Juice, SO ₂ in wine, Chlorides, OH ⁻ in Cu bath.
Automatiskt tillsats av reagens :	1 prior titration starts
Beständigt minne:	Battery saved
Brytpunktstitrering:	1 to 4 Equivalent points
Burette Max Permissible Errors: Random and Systematic (Master):	Both Comply with ISO8655-3.....Random Error: ± 0.05 - 0.1 %Systematic Error: ± 0.2 - 0.6 %
Byrett: motorupplösning:	18000 steg
Byrett: stativ/krantyp :	Fixed
Byrett: tillgängliga volymer :	1 ml, 5 ml, 10 ml, 25 ml & 50 ml
Certifieringar:	CE marking
	cETLus certification
Diameter:	(excl. tubing)
Dimension (H x B x D):	380 mm x 230 mm x 457 mm
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:	Graphic 128x128 dot LCD protected from spillages with PMP cover
Inbyggd titrering/doseringsenhet(er):	2 embedded burette motors
Intern lagringskapacitet, kalibrering:	Last 1 FIFO management
Intern metodlagringskapacitet:	10
Intern resultatslagringskapacitet:	Last 60 FIFO management
Kalibreringsintervall :	1 to 999 days
Kapslingens Skyddsklass IP:	Fully splashproof chemical resistant lathene
Kontinuerlig dynamiskt titranttillsats:	Addition speed from 0.01 to 50 mL/min
Längd:	450 mm
Lösenordsskydd:	Up to 10 characters, aphanumeric
Matningskrav (Hz):	47.5 - 63 Hz
Matningskrav (Spänning):	115/220 V AC
Metod-ID:	Up to 16 characters, aphanumeric
Metodkoppling/sekvensiering:	to
mV-upplösning :	0.1 mV
Number of user programmable methods:	10
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
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 25 samples
Provresultat:	up to 4 results per analysis
Provtagarstativ:	Embedded with Magnetic stirring
Provväxlare:	Serial RS232 with SAC850
Result ID:	Up to 16 characters, alphanumeric
Signal:	Serial RS232
Specifik teknologi:	pH/EP/Stat
Språk:	English, German, Danish, French, Italian, Spanish, Swedish
Stegvis dynamisk titrant tillsats:	Incremental dose from 0.01 to 10 mL with record on stable reading or max time
Stegvis monoton titrant tillsats:	Incremental dose from 0.01 to 10 mL with record on stable reading or max time
Temperaturupplösning :	0,1 °C
Tillåtna bägarvolymmer :	5 to 400 mL
TTL-ingång/-utgång:	1 Input/1 Output 0-5V
Typ:	pH-Stat
Vikt :	5 kg excluding reagent bottles.