

## dTrite-Pro

### Electronic Titration



Electronic titration is a new product in the field of titration, which is easier, more comfortable, faster and more accurate than traditional buret. Applied to all experiments of acid-base neutralisation titration, redox titration, precipitation titration, complexation titration, the product is widely used in the food industry, pharmaceutical and chemical industry, food and drug safety testing, petrochemicals, environmental testing, metals and plating, surfactants, and third-party testing laboratories, etc. The data can be traced.

**NEW**

## Features

- The whole process of titration is electronically driven controlled, it is more accurate, stable, efficient and free from human influence than ordinary digital titrators, which greatly improves the detection ability, is more standardised laboratory operation and data traceability.
- The titration combines accuracy, time saving and user-friendliness in 25mL and 50mL sizes, enabling operation from 10 $\mu$ L to 50.00mL with up to two decimal places resolution.
- The user-friendly intelligent control panel is clear and easy to operate.
- The touch screen display makes it easy to perform titration experiments, or remote titration can be performed using the dedicated operating handle.
- Clear and brown windows are standard, the brown window can be used for photosensitive media (e.g. iodine, potassium permanganate and silver nitrate solutions).
- Drying tubes are supplied as standard, for moisture and CO<sub>2</sub> sensitive media it is necessary to use drying tubes with a suitable absorbent (not included in the scope of delivery).
- 0-90 degree rotation of the built-in valve, with rapid exhaust and return reagent, safety and security features.
- Free software is available for upstream control.
- It can realise three liquid discharge modes: single drop, fixed volume liquid discharge and manual liquid discharge.
- It can realise two suction modes: manual suction and fixed volume suction.

## Comprehensive accessories tailored for your convenience

### Reagent Bottle Base Holder

Part No.	Function
17001682	Increase the friction between the bottle base and the workbench to prevent the titrator from sliding or tipping over during use.



### Refill Support Base

Part No.	Function
17001681	Secure the long inlet tube while connecting the titrator to the funnel base.



### Liquid Refill Funnel

Part No.	Function
17001680	Allows easy refilling of the reagent bottle without disassembling the titrator.



### Liquid Refill Base

Part No.	Function
17001679	The titrator can be placed separately on the workbench.



### Refill Funnel

Part No.	Function
17900433	Refill solution into the reagent bottle



### pH meter

Part No.	Function
17900519	Assist in titration end-point determination



### Bluetooth printer (thermal)

Part No.	Function
17900518	Print titration results



### Color sensor

Part No.	Function
17900541	Assist in titration end-point determination



Can be refilled at any time



Convenient replacement of standard reagents



PC software provided free of charge

## Specification

	10mL	25mL	50mL
Volume Range	0.010mL ~99.999mL , maximum volume per aspiration: 10mL, minimum: 10μL	0.020mL~99.999mL, maximum volume per aspiration: 25mL, minimum: 20μL	0.020mL~99.999mL, maximum volume per aspiration: 50mL, minimum: 20μL
Suction And Discharge Speed Range	0.1-2,0.5mL/s-5mL/s	0.1-5,0.5mL/s-5mL/s	1-10,1mL/s-10mL/s
Operating Temperature Range	10-30°C		
Quality Standard	ISO8655		
Bluetooth Function	Yes		
WiFi Function	Yes		
Control Type	Remote support, including stirrers and titration programmes		
Battery capacity. 3500mAh	3500mAh		
Memory	1000 experimental records		
Screen	4.3-inch TFT color display, 800×480 resolution		

## Working Accuracy

Volume mL	Subvolume	systematic error R		variation coefficient CV	
	mL	%	μL	%	μL
10mL	10	0.2	20	0.07	7
	5	0.4	20	0.14	7
	1	2.0	20	0.7	7
25mL	25	0.2	50	0.07	17.5
	12.5	0.4	50	0.14	17.5
	2.5	2.0	50	0.7	17.5
50mL	50	0.2	100	0.05	25
	25	0.4	100	0.10	25
	5	2.0	100	0.5	25