

T03 Automatic Titrator

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Overview

Sonnen's T03 titrator(titration unit) adopts high precision technical plunger pump, mouse automatically control adding liquid, titration, zero setting, LCD screen automatically show titration volume(the minimum unit is 0.01 ml = 10μl), its accuracy could meet the demand of the most strict chemical laboratory's titration test.

Features

- Sonnen's titrator adopts high precision technical plunger pump, made of German corrosion-resistant and ultra wear-resisting hard polymer material, non-shape-transformation, ensure precision of titration, long service life, LCD show digital clearly.
- Automatically titration: easy operation, rational structure, mouse control titration.
- Automatically initialization: automatically complete initialization refill with one click after titration.
- Automatically return-to-zero: return to zero by key, then start next titration process.
- Quantitative pipetting: automatically pipetting precisely as per the set volume; accurate to 0.01 ml. (optional).
- With multiple functions as titration, pipetting, stir, data output. Completely abandon the tedious operation which by glass burette.
- The part which touch reagent completely adopt anticorrosion material, nearly apply to all chemical lab(except hydrofluoric acid).
- One mouse control all functions, control speed arbitrarily, operation simply.
- The titration and pipetting precision to 10 microliter, which insure the result reliable.
- LCD show data directly and clearly.

Specifications

pH measuring range	0-14
mV measuring range	±2,000 mV
mV resolution	0.1 mV
mV error limit	0.2 mV
Temperature input	Pt1000 interface
Color sensor	16-bit, tri-primary color
Buret drive resolution	1/60,000 of burette volume
Buret accuracy	±0.2% (20 ml burette)
Fill / discharge time	30 s at 100% filling rate
Electrode interfaces	Potential measurement 2-4 · polarized 2 · reference 2
Titration module interfaces	12
Host dimensions	160×190×200 mm
Titration module dimensions	200×190×320 mm
Net weight (standard configuration)	≈4.3 kg

Compiled from the manufacturer's datasheet — request the full specification sheet for this model.

Application fields

Acid-base, redox, precipitation and complexometric titration; chloride in construction materials; COD in water & environmental testing — serving food, grain, feed, beverages, petrochemicals, pharmaceuticals, drug testing, metallurgy, research and teaching.

Specifications as published at www.sino-sonnen.com. Final configuration is confirmed per order — request a quotation: info@sino-sonnen.com · R&D: Jiading District, Shanghai · Manufacturing: Luoyang, Henan, China