

The SI Analytics TitroLine 7000 is an automatic potentiometric titrator for high-resolution pH/mV and dead-stop titration, with automatic electrode recognition, 50 user-programmable methods, and modular burette heads for flexible multi-parameter determination.

### SPECIFICATIONS

pH range	-3.0 to 18.00 ( $\pm 0.002 + 1$ digit)
mV range	-2000 to 2000 mV ( $\pm 0.1 + 1$ digit)
Temperature input	Pt 1000 (-75 to 195°C) or NTC 30 k $\Omega$ (-40 to 125°C)
Burette heads	5, 10, 20, or 50 mL (interchangeable)
Burette resolution	20,000 steps
Dosing accuracy	<0.15% (per DIN ISO 8655-3)
Stored methods	50 user-programmable + preloaded defaults
Display	3.5-inch TFT colour, 320x240 px
Connectivity	3x USB, 2x RS-232, Ethernet
Dimensions (WxHxD)	15.3 x 45 x 29.6 cm
Weight	2.3 kg (base) / 3.5 kg (with burette)
Power	100–240V, 50/60 Hz, 30 VA

### APPLICATIONS

- ▶ Alkalinity and total hardness determination (drinking water and wastewater)
- ▶ Total acidity in beverages and food products
- ▶ Chloride analysis
- ▶ SO<sub>2</sub> measurement in food, beverage, and wine

### FEATURES

- ▶ High-resolution pH/mV and dead-stop (polarisation) measurement inputs
- ▶ Automatic wireless recognition of SI Analytics ID electrodes
- ▶ Pt 1000 and NTC 30k $\Omega$  temperature sensor inputs
- ▶ Titration modes: linear, dynamic equivalence point, endpoint-based, pH Stat
- ▶ 50 user-programmable methods with password management
- ▶ Preloaded default methods: alkalinity, total hardness, acidity, chloride, SO<sub>2</sub>, TAN/TBN
- ▶ Interchangeable burette heads: 5, 10, 20, or 50 mL
- ▶ Burette resolution: 20,000 steps; dosing accuracy <0.15% per DIN ISO 8655-3
- ▶ 3.5-inch full-colour TFT display (320x240 px) with wide viewing angle
- ▶ Connectivity: 3x USB, 2x RS-232, Ethernet
- ▶ Optional TitrSoft 3.5 (current); TitrSoft 3.3 also compatible PC software for advanced method development and LIMS integration
- ▶ Optional 42- or 72-position sample changers for full automation
- ▶ Universal power supply: 100–240V, 50/60 Hz

- ▶ TAN/TBN (acid/base number) in petroleum and lubricants
- ▶ General acid-base titration in chemical and pharmaceutical laboratories
- ▶ ISE (ion-selective electrode) titrations
- ▶ Redox (ORP) titrations