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The Orion 950 preset technique can titrate to one or two preset pH or millivolt values to measure P&M alkalinity of water or acidity of carbonated beverages. The Orion 950 first derivative technique offers titration to one or multiple inflection points for many analyses, for example: chloride in food or copper in a plating bath.

## Orion 950 Titrator

Acid/base titrations



### Simple Acid/Base Titrations Orion 950 Titrator

- 950 ROSS™ FASTQC™ Titrator - Incorporates ROSS pH Technology
- Acid/Base, Redox, Precipitation and Complexometric titrations in one instrument
- Automation of routine titrations can be done easily

The Orion 950 incorporates the superior features of the patented ROSS pH technology into an economical yet versatile potentiometric titrator. The Orion 950 performs Acid/Base titrations, including non-aqueous samples, oxidation-reduction, precipitation and complexometric titrations using ion selective electrodes. Automate all routine manual color end-point titrations with the Orion 950.

Unique to Orion titrators, the Assured Accuracy™ feature allows the gravimetric calibration of the entire dispensing system, making it easy to meet ISO 9000 and GLP requirements. Simply add a second workstation to expand your Orion 950 titration capabilities and enhance your lab's productivity.

# Orion 950 Titrator

This balance  
you titrate  
Methods can be locked to safeguard accidental deletion!

## Orion 950 Specifications

	Specification	Benefit
mV	-1600.00 to 1600.00 mV	Wide operating range
pH Range	-2.000 to 19.999	
pH Calibration Points	2	Bracket your sample's pH for proved accuracy
Temperature	-5.0 to 105.0 °C	
Power Requirement: Voltage Frequency	AC line adapter for 110/120/220/240 VAC 50/60 Hz	For use around the world
Titration Modes	Preset pH Endpoint Preset mV Endpoint First Derivative Titration	No interference from color or turbidity  Higher precision, no guessing where endpoints are located
Methods Saved	Up to 10	Great for multi-user labs
Display	Custom color vacuum fluorescent with 17 character prompt line	Easy to view
Variable Speed Stirring Paddle	Yes	Easier in sample preparation
Input	Two BNC, two pin tip, ground, ATC power, RS232	Dual channel
Output	RS232; recorder; Karl Fischer	
Dimensions Height Width Depth	Meter    Dispenser 2"        16" 9"        5.5" 7.5"      18"	Small footprint
Case	Splash and Chemical Resistant	Durable
Environmental Requirements	5 to 45 °C and 5 to 85% relative humidity	
Autosampler Option	No	
Agency Approvals	CE	Worldwide operation

Above data generated under optimal/controlled circumstances.

## Orion 950 Ordering information

Orion #	Description
095000	950 FAST QC Titrator with printer, includes workstation, control unit, printer, printer paper, ROSS™ Sure-Flow® pH Combination electrode (8172BN), cables, tubing, instructional manual and line cords, 110V 60Hz.
095001	950 FAST QC Titrator with printer, includes workstation, control unit, printer, printer paper, ROSS Sure-Flow pH Combination electrode (8172BN), cables, tubing, instruction manual and line cords, 220V 60Hz