

# Titration System

Argon's Titration Laboratory System features varying levels of automation based on throughput requirements, Argon autotitrators and JASPPER Control Software. The laboratory is a modular, streamlined system with a unique combination of dynamic sample management, large sample throughput and fully autonomous operation.

Reliable - High production up time

Since 2006 the RLS-TS has been successfully established in the market and features high MTBF, low maintenance and short repair times.

Fast - Short cycle times

The fastest lab system of its class. Using the RLS-TS, cycle-times are considerably reduced thanks to JASPPER scheduling algorithm, combined with unique motion control and various optimisation routines.

Accurate - Consistent sample quality

Outstanding reproducibility (0.001g), volumetric accuracy (0.25mL in 1000mL) and excellent contamination counter-measures.

Versatile - Changes with processes

Can change scheduling, timing and positioning as needed to respond to changes in your process: all through an intuitive, easy to use interface.

Robust - Harsh operating environments

Equipped with custom armour and tooling, the robots are capable of withstanding even the most dangerous chemical environments.

System Overview	Processing Rate	Upon Request	Application
Daily Output Input	Upon Request Output	Liquid digestate, ready for analysis. Accuracy	Perform
element analyses are performed	- generally trace metal concentrations are of interest.	with high repeatability, able to obtain accurate results to the level of ppm and ppb	
processing to high levels of accuracy with these systems.	Resources		

Application: Titrations			
Data Sheet: RLS-TS.pdf			
Autotitrator Overview	mV :-1600.00 to 1600.00 mV	pH Range :-2.000 to 19.999	Temperature
5.0 to 105.0°C	Power Requirements :9 VDC line converter for		
110/120/220/240 VAC			
50/60 Hz	Titration Modes :Preset pH Endpoints		
Preset mV Endpoint			
First Derivative Titration	Methods Saved :Up to Ten	Display :Custom color vacuum fluorescent with	
17 character prompt line	Variable Speed Paddle :Yes	Input :Two BNC, two pin tip, ground, ATC, power,	
RS232	Meter Dimensions (H x W x D) :2" x 9" x 7.5"	Dispenser Dimensions (H x W x D) :16" x 5.5" x 18"	
Case :Splash and Chemical Resistant	Environmental Requirements :5 to 45°C and 5 to 85% relative	Agency Approvals:CE	Calibration Points :2
humidity	Sample Changer Option :No		