

One Click® Titration

Efficient, Secure and Modular



Parallel titration

With the T9, up to 30 tasks can be assigned to two analysis areas. This allows two titrations to run in parallel, independently of one another. Two sample series using different methods on two InMotion sample changers is possible.



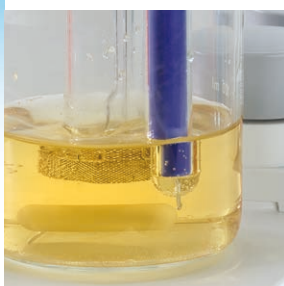
Conditions within method functions

The logical condition "if...then" enables the T9 to decide how the analysis should proceed. It can, for example, first measure the pH and then, on the basis of the result, decide whether acid or base should be dispensed.



Series Sequence

The Series Sequence function allows individual sample series with different methods to be combined. For example, all the analyses of a particular day can be started together and processed sequentially or in parallel, irrespective of the method used to perform them.



Karl Fischer titration

Using One Click, pre-programmed METTLER TOLEDO methods start volumetric and coulometric Karl Fischer titrations without any modifications required. The T9 additionally allows you to run volumetric and coulometric Karl Fischer analysis simultaneously thanks to the parallel titration feature.



T9 – Intelligent and Powerful Titration Excellence line

In addition to the many advantages of the Titration Excellence line such as One Click® Titration, Plug & Play, method database and the refinements of the T7, the T9 offers a number of important features:

- Parallel titration
- Conditions within method functions
- Result buffer
- Series Sequence

Functionality Overview		T9
One Click® Titration	Shortcuts per user	24
	KF Solvent Control	•
Hot Plug & Play	Plug & Play sensor recognition	•
	Burette recognition with titrant and titer	•
	Burette drive	•
	KF Solvent Manager	•
	USB printer, memory stick, barcode reader	•
Security	LevelSens	•
	LogStraight Fingerprint Reader	•
Automation	Rondolino automated titration stand	•
	InMotion Autosamplers	•
	InMotion KF Oven Autosamplers	•
Burette drives	Max. number to dose and titrate	1 (internal) + 7 external
	Learn titration	•
Method and series	Number of method functions per method	150
	Number of loops per method	6
	"if...then" conditions	•
	Result buffer	•
	Series sequences	10
	Number of samples per series	303
	Predefined METTLER TOLEDO methods	>70 (incl. KF methods)
	Max. number of methods	150
Task list	Number of tasks	30
	Number of tasks running in parallel	8
Data Export / Printing	RS-232, USB, Network, PDF	•
Sensor Boards	Analog, conductivity or coulometer	1 standard + 2 optional
	Potentiometric	2 standard + 4 optional
Sensor inputs	Polarized	1 standard + 2 optional
	Reference	1 standard + 2 optional
	PT1000	1 standard + 2 optional
	Conductivity / NTC	2 optional
	Ethernet	1
Communication	COM	3 standard + 2 optional
	USB host (printer, memory stick, barcode reader, hub)	3
	USB client (PC)	1
	CAN bus	•
	TTL-I/O	1
	Pump / Stirrer	3 standard + 2 optional
	PC software	LabX® Express and Server
Homogenizer		RS/TTL

Technical Specifications

Potentiometric sensor inputs	Measurement range	± 2000 mV
	Resolution / Error limit	0.1 mV / 0.2 mV
Polarized Sensor input	Measurement range I _{pol} / U _{pol}	0 ... 2000 mV / 0 ... 200 µA
	Resolution I _{pol} / U _{pol}	0.1 mV / 0.1 µA
	Error limit I _{pol} / U _{pol}	2.0 mV / 0.2 µA
	Current source range I _{pol} / U _{pol}	0–24 µA AC / 0–2000 mV AC
Temperature sensor input PT1000	Current source resolution I _{pol} / U _{pol}	0.1µA / 0.1mV
	Measuring range	–20...130 °C
	Resolution / Error limit	0.1 °C / 0.2 °C
Burette drive	Burette resolution (for 10 mL burette)	0.5 µL (1/20 000 of the burette volume)
	Error limit	0.2% of the burette volume
	Resolver resolution	0.0625% of burette volume
	Filling time and discharge time	20 s at 100% filling rate
Titration dimensions	Width x depth x height / Weight	210 x 246 x 250 mm / 4.3 kg
Terminal	Screen	WVGA 7" color TFT
	Resolution	800 x 480 pixel

METTLER TOLEDO Group

Laboratory Division
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