

## Flexibility with a clear concept

Line	Method function
5	Measure (normal) [1]
6	End of sample
7	Calibration
8	Sample
9	Titration stand (Manual stand)

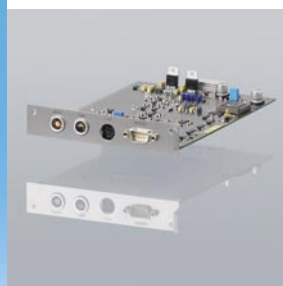
Cancel Print Insert

### Methods with loops

Up to three analyses can be combined in a single method. For example, electrode calibration, titer determination and sample analyses can be combined as loops in a single method and the results can be calculated simultaneously.

### Upgrade to T90

The T70 software can be upgraded to the T90 version. In the future, your T70 can make full use of the unlimited power and possibilities of the T90. A decision in favor of the T70 still leaves all options open for the future.



### Conductivity measurements

The T70 can easily be expanded with an additional pH or conductivity board, allowing simultaneous measurement of pH and conductivity.



### T70 – The allrounder Titration Excellence line

Besides the many advantages of the Titration Excellence line such as One Click Titration™, Plug & Play and method database (see the One Click Titration™ family brochure), the T70 offers a number of other important features:

- Methods with loops
- Upgrade to T90
- Expandable to perform conductivity measurements
- Task List

Active tasks			
No.	Type	Name	State
A1	M	ACID	Running
	MO	manualStir	Running
A2	M	CALIBRATION	Waiting
	MO	manualDispense	Running

### Task List

Besides the current analysis, simultaneous manual operations can be started and are displayed clearly in the Task List. For example, a reagent can be dispensed to the waiting samples using an additional burette drive while a titration is still running.

## T70 Functionality Overview

<b>one click Titration™</b>	Short Cuts per user	12
<b>Hot Plug and Play</b>	Automatic burette recognition with titrant and titer	yes
	Burette drive	yes
	Rondo sample changer	yes
	Rondolino Autom. titration stand	yes
<b>Burette drives</b>	Max. number to dose and titrate	1 (internal) + 3 external
<b>Methods and series</b>	Learn titration	yes
	Number of method functions per method	60
	Number of loops per method	3
	"If ... then" conditions	–
	Express samples	yes
	Series sequences	–
	Number of samples per series	120
	Predefined METTLER TOLEDO methods	>30
<b>Task list</b>	Max. number of methods	120
	Number of tasks	10
<b>Upgradable</b>	Number of tasks running in parallel	7
		to T90
<b>Sensor boards</b>	Analog or conductivity	1 standard and 1 optional
<b>Sensor inputs</b>	Potentiometric	2 standard and 2 optional
	Polarized	1 standard and 1 optional
	Reference	1 standard and 1 optional
	PT 1000	1 standard and 1 optional
	Conductivity / NTC	2 optional
<b>Communication</b>	Ethernet	1
	COM	3 standard and 1 optional
	USB host	1
	USB client	1
	CAN Bus	yes
	TTL I/O	1
	Pump / Stirrer	3 standard and 1 optional

## Technical specifications

<b>Potentiometric sensor inputs</b>	Measurement range	± 2000 mV
	Resolution	0.1 mV
	Error limit	0.2 mV
<b>Polarized Sensor input</b>	Measurement range	0 ... 2000 mV / 0 ... 200 µA
	Resolution	0.1 mV / 0.1 µA
	Error limit	0.2 mV / 0.3 µA
<b>Temperature sensor input PT1000</b>	Resolution	0.1 °C
	Error limit	0.2 °C
<b>Burette drive</b>	Burette resolution (for 10-mL burette)	0.5 µL (1/20'000 of the burette volume)
	Error limits	At 10 % 15 µm, at 30 % 15 µm, at 50 % 25 µm, at 100 % 50 µm
	Resolver	32 pulses/mm stroke
	Resolver resolution	0.0625 % of burette volume
	Filling time and discharge time	20 s at 100 % filling rate
<b>Titration dimensions</b>	Width x depth x height	210 x 246 x 250 mm
	Weight	4.3 kg



Quality certificate ISO9001  
 Environment certificate ISO14001  
 Internet: <http://www.mt.com>  
 Worldwide service

Subject to technical changes  
 ©07/2006 Mettler-Toledo AG  
 Printed in Switzerland 51724465  
 Promotion & Documentation Analytical

[www.mt.com/titration](http://www.mt.com/titration)

Visit for more information