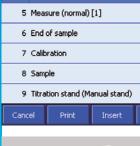# Flexibility
with a Clear Concept

Application Versatility
Together with the Karl Fischer Kit water contents down to 100 ppm can be determined. The system is easily expanded with an additional pH or conductivity board, allowing pH and conductivity measurements and titrations. The accompanying stating with an External Dosing Unit keeps the pH constant during a titraton.

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.

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

Cancel | Print | Insert

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.

Powerful Automation
The task list allows sequential analysis of different methods or series, and with the "Continuous" function a task can be repeated unlimited times. The Liquid Handler Dosing System fulfills every aliquoting and pipetting task. Samples labeled with LabX Smartcodes™ on the Rondo sample changer are automatically recognized by the LabX™ titration PC Software and the correct titration method is started - everything without any user interaction.

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:

- Volumetric Karl Fischer titration
- Expandable to perform conductivity measurements
- Accompanying stating
- More flexible methods with loops
- Upgrade to T90
- Task List
- Continuous run
- Automation with Liquid Handler
- LabX Smartcodes™
- Solvent Control for KF solvent monitoring and automatic replacement

METTLER TOLEDO

T70 Functionality Overview

One Click Titration™	Shortcuts per user	12
	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	•
	USB barcode reader	•
Automation	Rondo sample changer	•
	Rondolino automated titration stand	•
	Stromboli KF oven sample changer	•
Burette drives	Max. number to dose and titrate	1 (internal) + 3 external
Method and series	Learn titration	•
	Number of method functions per method	60
	Number of loops per method	3
	Number of samples per series	120
	Pre-programmed METTLER TOLEDO methods	>40 (incl. KF methods)
	Max. number of methods	120
Task list	Number of tasks	10
	Number of tasks running in parallel	7
Upgradeable		To T90
Sensor Boards	Analog or Conductivity	1 standard + 1 optional
Sensor inputs	Potentiometric	2 standard + 2 optional
	Polarized	1 standard + 1 optional
	Reference	1 standard + 1 optional
	PT1000	1 standard + 1 optional
	Conductivity / NTC	2 optional
Communication	Ethernet	1
	COM	3 standard + 1 optional
	USB host (printer, memory stick, barcode reader, hub)	1
	USB client (PC)	1
	CAN bus	•
	TTL-I/O	1
	Pump / Stirrer	3 standard + 1 optional
PC software	LabX titration connectivity light and pro	•
Homogenizer		RS/TTL

Technical Specifications

Potentiometric sensor inputs	Measurement range	± 2000 mV
	Resolution	0.1 mV
	Error limit	0.2 mV
Polarized Sensor input	Measurement range Ipol / Upol	0 … 2000 mV / 0 … 200 µA
	Resolution Ipol / Upol	0.1 mV / 0.1 µA
	Error limit Ipol / Upol	2.0 mV / 0.2 µA
	Current source range Ipol / Upol	0−24 µA AC / 0−2000 mV AC
	Current source resolution Ipol / Upol	0.1µA / 0.1mV
Temperature sensor input PT1000	Measuring range	-20…130°C
	Resolution	0.1 °C
	Error limit	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
Titrator dimensions	Width x depth x height / Weight	210 x 246 x 250 mm / 4.3 kg

www.mt.com/titration

Visit for more information