

## One Click™ Water Determination Fast & Precise Routine Analysis



### One Click™ User Interface

The large color Touchscreen features the simple-to-understand and fast-to-operate One Click™ user interface. All users have their own Homescreen with dedicated Shortcut buttons to directly start specific routine tasks.



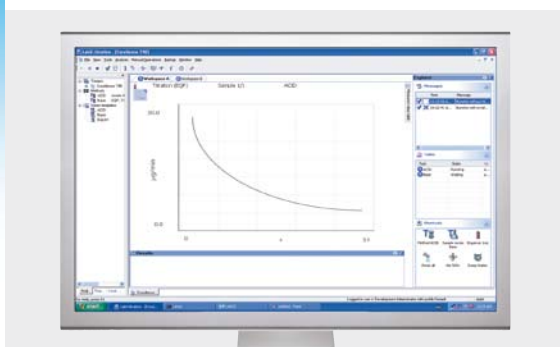
### Solvent Manager

Users are protected against contact with chemicals using the Solvent Manager liquid handling device. It is fully controlled by the titrator and offers the possibility of removing the reagents with minimal user interaction.



### Diaphragmless cell

The user has the choice of current generator cell with or without diaphragm. For most samples the cell without diaphragm offers more convenience, as no catholyte is needed. Due to the unique design, the diaphragmless cell even suits the demands for very precise low water content determinations.



### PC software LabX titration

Full control over the titrator, secure database archiving, networking, efficient result management with control charts and individual search filters or rapid and clear method development are only some aspects of the powerful LabX titration PC software.



### C20 Compact KF Coulometer

The Routine Karl Fischer coulometer combines fast and precise water content determination with very simple operation. Samples from any industry with a water content between 1 ppm and 5% are analyzed in single measurements or sample series with statistics.

- Color Touchscreen with One Click™ user interface
- User interface in English, German, French, Spanish, Italian, Chinese, Russian, Polish and Korean
- Generator cell with or without diaphragm available
- Connectivity to LabX titration PC software via USB or direct Ethernet (TCP/IP)
- Common USB printers or the USB-P25 compact paper roll printer for secure and GLP-compliant paper recording

## C20 Functionality Overview

<b>Application</b>	Solid, liquid and gaseous samples	•	
	Resources and method database	•	
	KF titrants	100	
	KF standards	50	
<b>One Click Titration™</b>	User specific Home Screen with Shortcuts	•	
	Shortcuts per user	4	
	Reagent Control	○	
<b>Hot Plug &amp; Play</b>	Solvent Manager	•	
	USB printer DIN-A4/US letter / USB-P25 compact paper roll printer	•	
	USB memory stick / USB barcode reader / USB hub	•	
<b>Automation</b>	Stromboli oven sample changer	○	
<b>User Management</b>	Expert – Routine	○	
	Preprogrammed METTLER TOLEDO methods	○	
	KF standard methods	1	
	Max. number of user methods	5	
	External extraction/dissolution dedicated method type	○	
	Number of samples per series	120	
	Autostart: automatic start after sample addition	•	
	Max. number of calculations/results per method	3	
	User defined calculations	○	
	Statistics of up to 120 samples including result limits check, outlier test	•	
<b>Methods and series</b>	Extra statistical functions as max. srel and multiple determinations	○	
	Recalculation of results	•	
	Data in Online Screen: time, water count, potential, stirrer speed, consumption, drift	•	
	Data in measured value table: time, water count, potential, consumption, drift	•	
	Curves in Online Screen and printout: E-V, E-t, C-t, drift-t, water count-t	•	
	<b>Task list</b>	Number of tasks queued	○
	<b>Online Help</b>	Context sensitive parameter explanation	•
	<b>Languages</b>	User interface and printouts in English, German, French, Spanish, Italian, Chinese, Russian, Polish, Korean	•
	<b>PC software</b>	LabX titration light and pro	•
	<b>Homogenizer</b>	TTL	○
Ethernet (TCP/IP)		1	
COM (serial balance connection)		1	
USB host (printer, memory stick, barcode reader, hub)		2	
USB client (PC)		1	
Integrated Magnetic Stirrer		1	
Pump / Stirrer		1	

○ exclusive C30 functionality

## C20 Technical Specifications

<b>Polarized sensor input</b>	Measurement range	-2000...+2000 mV
	Resolution	0.1 mV
	Limits of error	2 mV
	Polarization current range	0...24 µA
	Polarization current resolution	0.1 µA
	Polarization current limits of error	1 µA
<b>Environment</b>	Ambient temperature	+5...+40°C
	Atmospheric humidity	max. 80% at 31 °C
<b>Titrator dimensions</b>	Width x depth x height / Weight	210 x 340 x 312 mm / 3.3 kg
	Glass beaker	200 mL
<b>Control and display</b>	Touchscreen	VGA 5.7" color TFT, 320 x 240 pixel
	Drift measurement	Online, < 2 µg/min
<b>Application*</b>	Measurement range	10 µg...200 mg
	Resolution	0.1 µg
	Repeatability	0.3% at >1 mg H <sub>2</sub> O

\* depends on the environment and handling



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