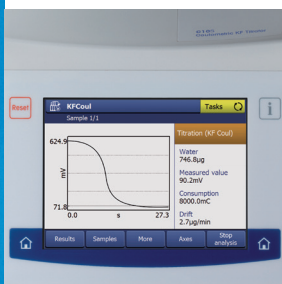


# One Click® Water Determination

## Simple and Secure



### 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.



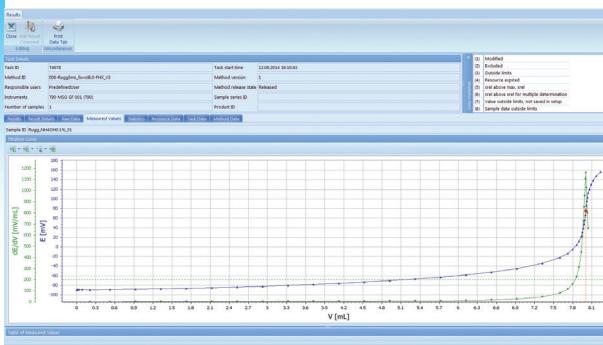
### Solvent Manager

Users are protected against contact with chemicals using the Solvent Manager liquid handling device. It is fully controlled by the titrator and allows reagents to be removed with minimal user interaction.



### Diaphragmless cell

The user has the choice of a current generator cell with or without a diaphragm. For most samples the cell without a diaphragm offers more convenience, as no catholyte is needed. Due to the unique design, the diaphragmless cell even meets the demands of 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.



### C20S Compact KF Coulometer

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

- Color touchscreen with One Click user interface
- User interface in English, German, French, Spanish, Italian, Chinese, Russian, Polish, Korean and Portuguese
- 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 printer for secure and GLP-compliant paper recording

Functionality Overview		C20S
<b>Application</b>	Liquid and gaseous samples	•
	Resources and method database	•
	User specific Home Screen with Shortcuts	•
<b>One Click® Titration</b>	Shortcuts per user	12
	Reagent Control	–
	Solvent Manager	•
<b>Hot Plug &amp; Play</b>	USB printer DIN-A4/US letter / USB-P25 compact printer	•
	USB memory stick / USB barcode reader / USB hub	•
	LevelSens	–
<b>Security</b>	LogStraight Fingerprint Reader	–
	InMotion KF Oven Autosamplers	–
<b>Automation</b>		
<b>User Management</b>	"Expert – Routine" user groups	•
	Preprogrammed METTLER TOLEDO methods	–
	KF standard methods	1
	Max. number of user methods	5
	External extraction/dissolution dedicated method type	–
	Bromine Index determination	–
	Number of method functions	12
	Number of samples per series	120
	Autostart: automatic start after sample addition	•
	Max. number of calculations/results per method	3
<b>Methods and series</b>	User defined calculations	–
	Statistics of up to 120 samples including result limits check, outlier test	•
	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-C, E-t, C-t, drift-t, water count-t	•
	Task list	–
	Number of tasks queued	–
	<b>Online Help</b>	Context sensitive parameter explanation
<b>Data Export</b>	USB, Ethernet, PDF	•
<b>Languages</b>	User interface and printouts in English, German, French, Spanish, Italian, Chinese, Russian, Polish, Korean, Portuguese	•
<b>PC software</b>	LabX® Titration Express and Server	•
	Ethernet (TCP/IP)	1
<b>Communication</b>	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 C30S functionality

## Technical Specifications

<b>Polarized sensor input</b>	Measurement range	-2000...+2000 mV
	Resolution / Limits of error	0.1 mV / 2 mV
	Polarization current range	0...24 µA
	Polarization current resolution / Limits of error	0.1 µA / 1 µA
<b>Environment</b>	Ambient temperature	+5...+40 °C
	Atmospheric humidity	max. 80% at 31 °C
<b>Titration 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, 640 x 480 pixel
<b>Application</b> (depends on the environment and handling)	Drift measurement	Online, < 2 µg/min
	Measurement range	10 µg...200 mg
	Resolution	0.1 µg
	Repeatability	0.3% at >1 mg H <sub>2</sub> O

## METTLER TOLEDO

### In the United States:

For customer service, call 1-800-766-7000  
To fax an order, use 1-800-926-1166  
To order online: fishersci.com

### In Canada:

For customer service, call 1-800-234-7437  
To fax an order, use 1-800-463-2996  
To order online: fishersci.ca

