

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.



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.



Flexible Data Export

METTLER TOLEDO Compact Titrators offer a broad range of options for handling your data. Choose whether to export as CSV, PDF or XML files. Devices such as printers or memory sticks can be connected via the USB port and are automatically recognized.



C10S Compact KF Coulometer

The C10S KF Coulometer is ideal for fast and precise water content determination with very simple operation. Samples 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
- Common USB printers or the USB-P25 compact printer for secure and GLP-compliant paper recording

Functionality Overview		C10S
Application	Liquid and gaseous samples	•
	Resources and method database	•
One Click® Titration	User specific Home Screen with Shortcuts	•
	Shortcuts per user	4
	Reagent Control	–
Hot Plug & Play	Solvent Manager	•
	USB printer DIN-A4/US letter / USB-P25 compact printer	•
	USB memory stick / USB barcode reader	•
Security	LevelSens	–
	LogStraight Fingerprint Reader	–
Automation	Stromboli oven sample changer	–
User Management	Expert – Routine	–
	Preprogrammed METTLER TOLEDO methods	–
Methods and series	KF standard methods	1
	Max. number of user methods	5
	External extraction/dissolution dedicated method type	–
	Bromine Index determination	–
	Number of method functions	10
	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	•
	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	–
Online Help	Context sensitive parameter explanation	•
Data Export	USB, Ethernet, PDF	•
Languages	User interface and printouts in English, German, French, Spanish, Italian, Chinese, Russian, Polish, Korean, Portuguese	•
PC software	LabX® Titration Express and Server	–
	Ethernet (TCP/IP)	1
	COM (serial balance connection)	1
Communication	USB host (printer, memory stick)	2
	Integrated Magnetic Stirrer	1
	Pump / Stirrer	1

Technical Specifications

Polarized sensor input	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
Environment	Ambient temperature	+5 ... +40 °C
	Atmospheric humidity	max. 80% at 31 °C
Titration dimensions	Width x depth x height / Weight	210 x 340 x 312 mm / 3.3 kg
	Glass beaker	200 mL
Control and display	Touchscreen	VGA 5.7" color TFT, 640 x 480 pixel
Application (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 ₂ O



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