One Click® Water Determination
Simple and Secure

Reagent Control

Reagent Control monitors three different parameters and replaces the reagent when necessary with just One Click, ensuring the titration cell is kept in a good condition. The Solvent Manager also empties, fills or replaces the reagent, keeping the user fully protected from harmful chemicals.

InMotion KF Oven Autosamplers

Modern and extremely compact, the new InMotion KF Oven Autosamplers allows up to 26 samples to be placed on a rack of only 25 centimeters. The Temperature Scan functionality speeds up the analysis of unknown samples by determining, in just one single run, the optimum temperature for heating the sample.

User Management

All users have their own homescreen with shortcuts for a One Click start of any task. Routine users can run their own shortcuts to perform routine tasks, but cannot accidentally change anything e.g. in the setup. In connection with LabX Titration Server PC software, the Remote mode offers full support of FDA 21 CFR part 11 regulations.

Flexible powerful methods

Samples that do not release water easily or that cause side reactions can be analyzed using external extraction. Predefined methods that offer direct blank determination of the extracting solvent make this application simple. The method database contains METTLER TOLEDO methods for any kind of coulometric Karl Fischer applications.

C30S Compact KF Coulometer

The all-round Karl Fischer Coulometer Specialist is the flexible and powerful instrument for fast and precise water determination of samples from any industry with water content between 1 ppm and 5%.

- Color touchscreen with One Click user interface
- User specific homescreen with shortcuts for direct access to all routine tasks
- User interface in English, German, French, Spanish, Italian, Chinese, Russian, Polish, Korean and Portuguese
- Task list for queueing different tasks and direct access
- 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

METTLER TOLEDO

Functionality Overview

Category		C30S
Application	Liquid and gaseous samples	•
	Resources and method database	•
One Click® Titration	User specific Home Screen with Shortcuts	•
	Shortcuts per user	12
	Reagent Control	•
Hot Plug & Play	Solvent Manager	•
	USB printer DIN-A4/US letter / USB-P25 compact printer	•
	USB memory stick / USB barcode reader / USB hub	•
Security	LevelSens	•
	LogStraight Fingerprint Reader	•
Automation	InMotion KF Oven Autosamplers	•
User Management	Expert – Routine	•
Methods and series	Preprogrammed METTLER TOLEDO methods	11
	Standard methods	6
	Max. number of user methods	150
	External extraction/dissolution dedicated method type	•
	Bromine Index determination	•
	Number of method function	150
	Number of samples per series	120
	Autostart: automatic start after sample addition	•
	Max. number of calculations/results per method	40
	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	10
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	•
	LabX® Server full FDA 21 CFR part 11 support	•
Communication	Ethernet (TCP/IP)	1
	COM (serial balance connection)	1
	USB host (printer, memory stick, barcode reader, hub)	2
	USB client (PC)	1
	TTL I/O	1
	Integrated Magnetic Stirrer	1
	Pump / Stirrer	1

Technical Specifications

Category		
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
Titrator 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_2O

www.mt.com/titration

For more information