

Functionality Overview		V20S	
Application	Solid, liquid and gaseous samples	•	
	Resources and method database	•	
	KF titrants	100	
	KF standards	50	
One Click® Titration	User specific Home Screen with Shortcuts	•	
	Shortcuts per user	12	
	Solvent Control	-	
Hot Plug & Play	Solvent Manager	•	
	Burette recognition with titrant, concentration and monitoring data	•	
	External Dosing Unit for addition of auxiliary reagents	-	
	USB printer DIN-A4/US letter / USB-P25 compact printer	•	
	USB memory stick / USB barcode reader	•	
Security	LevelSens	-	
	LogStraight Fingerprint Reader	-	
Automation	InMotion KF Oven Autosamplers	-	
User Management	"Expert – Routine" user groups	•	
	Preprogrammed METTLER TOLEDO methods	-	
	KF standard methods	4	
	Max. number of user methods	5	
	External extraction/dissolution dedicated method type	-	
	Number of method function	12	
	Number of samples per series	120	
	Autostart: automatic start after sample addition	•	
	Drift stop for endpoint recognition (absolute and relative, tmax, delay)	•	
	Max. number of calculations/results per method	3	
Methods and series	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, volume, drift	•	
	Data in measured value table: time, water count, potential, volume, drift	•	
	Curves in Online Screen and printout: E-V, E-t, V-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	•	
Homogenizer	TTL	-	
	Ethernet (TCP/IP)	1	
Communication	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 V30S functionality

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
Burette drive	Drive resolution	20000 steps
	Burette resolution (for 5 mL burette)	0.25 µL
	Limits of error	0.3% of the respective volume
	Resolver	32 pulses / mm stroke
	Resolver resolution	0.0625% of burette volume
Environment	Filling time and discharge time	20 s at 100% filling rate
	Ambient temperature	+5...+40 °C
Titration dimensions	Atmospheric humidity	max. 80% at 31 °C
	Width x depth x height / Weight	210 x 333 x 320 mm / 4.2 kg
Control and display	Glass beaker	150 mL
	Touchscreen	VGA 5.7" color TFT, 640 x 480 pixel
Application (depends on the environment and handling)	Drift measurement	Online, < 5 µg/min
	Measurement range	100 ppm...100%
	Repeatability	0.3% at >10 mg H ₂ 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
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