

## One Click<sup>®</sup> Titration

### Efficient, Secure and Modular



#### Touchscreen terminal with StatusLight™

The terminal has a brilliant, high-resolution touchscreen that can be freely and conveniently positioned thanks to the cable connection. Combined with the intuitive StatusLight™ concept and the adjustable display angle, this guarantees an ergonomic and stress-free working environment.



#### Plug & Play sensors and burettes

The most important titration peripherals are automatically recognized by the titrator, minimizing user intervention. Important data such as sensor calibration or titrant concentration are saved in the sensor and burette chips and automatically transferred to the titrator. Using the wrong titrant or electrode is impossible.



#### SmartSample™ flexibility

A SmartSample reader is installed as standard on all Excellence titrators. Wireless data transfer from balance to titrator eliminates transcription errors caused by manual entry. Sample mix-ups are impossible because the sample data is saved on a tag on the titration beaker.



#### Preconfigured system application packages

Everything you need for your analysis in two different packages:

- T5 with manual titration stand
- T5 Rondolino with automated titration stand for up to 10 samples.



#### T5 – Convenient and Versatile Titration Excellence line

The Titration Excellence line offers many advantages such as One Click<sup>®</sup> Titration, Plug & Play and the method database. The T5 is the ideal entry-level model in this line and offers much more than a simple titrator:

- Touchscreen terminal with StatusLight™
- Plug & Play sensors and burettes
- Comprehensive communication connections
- Security with Level Sensor and Fingerprint Reader
- SmartSample™ flexibility

Functionality Overview		T5
<b>One Click® Titration</b>	Shortcuts per user	24
	Plug & Play sensor recognition	•
	Automatic burette recognition with titrant and titer	•
<b>Hot Plug &amp; Play</b>	Burette drive	•
	USB printer	•
	Memory stick	•
	USB barcode reader	•
<b>Security</b>	LevelSens	•
	LogStraight Fingerprint Reader	•
<b>Automation</b>	Rondolino automated titration stand	•
	InMotion Autosamplers	•
	InMotion KF Oven Autosamplers	–
<b>Burette drives</b>	Max. number to dose and titrate	1 internal + 1 optional
	Max. number to dose only	+ 2 optional
<b>Method and series</b>	Learn titration	•
	Number of method functions per method	15
	Number of loops per method	1
	Number of samples per series	303
	Predefined METTLER TOLEDO methods	>60 (incl. KF methods)
	Max. number of methods	150
<b>Data Export / Printing</b>	RS-232, USB, Network	•
<b>Sensor Boards</b>	Analog, conductivity or coulometer	1
<b>Sensor inputs</b>	Potentiometric	2
	Polarized	1
	Reference	1
	PT1000	1
	Conductivity / NTC	1 optional
<b>Communication</b>	Ethernet	1
	COM	3
	USB host (printer, memory stick, barcode reader, hub)	3
	USB client	1
	CAN Bus	•
	TTL-I/O	1
	Pump / Stirrer	3
<b>PC software</b>	LabX® Express and Server	•
<b>Homogenizer</b>		RS / TTL

## Technical Specifications

<b>Potentiometric sensor inputs</b>	Measurement range	± 2000 mV
	Resolution / Error limit	0.1 mV / 0.2 mV
<b>Polarized Sensor input</b>	Measurement range I <sub>pol</sub> / U <sub>pol</sub>	0 ... 2000 mV / 0 ... 200 µA
	Resolution I <sub>pol</sub> / U <sub>pol</sub>	0.1 mV / 0.1 µA
	Error limit I <sub>pol</sub> / U <sub>pol</sub>	2.0 mV / 0.2 µA
	Current source range I <sub>pol</sub> / U <sub>pol</sub>	0–24 µA AC / 0–2000 mV AC
	Current source resolution I <sub>pol</sub> / U <sub>pol</sub>	0.1µA / 0.1mV
<b>Temperatur-Sensor PT1000</b>	Measuring range	–20 ... 130 °C
	Resolution / Error limit	0.1 °C / 0.2 °C
<b>Burette drive</b>	Burette resolution (for 10 mL burette)	0.5 µL (1/20 000 of the burette volume)
	Error limit	0.2% of the burette volume
	Resolver resolution	0.0625% of burette volume
	Filling time and discharge time	20 s at 100% filling rate
<b>Titration dimensions</b>	Width x depth x height	210 x 246 x 250 mm
	Weight	4.3 kg
<b>Terminal</b>	Control	Touch control
	Screen	WVGA 7" color TFT
	Resolution	800 x 480 pixel
	Angle	Adjustable

**METTLER TOLEDO Group**  
Laboratory Division



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