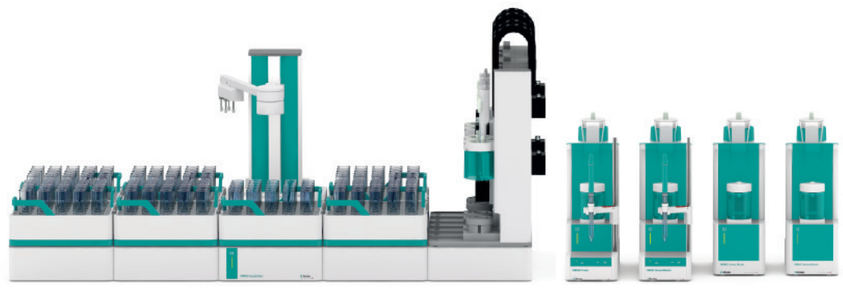
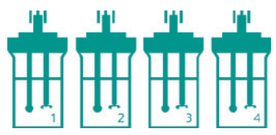
OMNIS

A WHOLE NEW LEVEL OF PERFORMANCE



Metrohm

FASTER



THROUGHPUT ON A WHOLE NEW LEVEL

- Analyze up to 175 samples completely unattended
- Perform four fully automated analyses in parallel
- Exchange reagents in a matter of seconds
- Exchange sample racks while the system keeps analyzing

SAFER

SAFETY ON A WHOLE NEW LEVEL

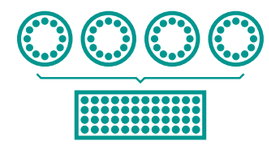
- Contact-free reagent exchange
- System ready? Green LEDs tell you!
- Full traceability of your reagents
- OMNIS monitors itself

EASIER

EASE OF USE ON A WHOLE NEW LEVEL

- Complete graphical representation of the user interface
- Intuitive drag&drop operation
- Control OMNIS from anywhere
- Exchange reagents in 3 simple steps

MORE EFFICIENT



EFFICIENCY ON A WHOLE NEW LEVEL

- Small footprint
- Prioritize racks with urgent samples
- No more confusion: dedicated Work Stations
- See the results for all parameters of your sample at a single glance
- Control OMNIS from everywhere

STRESS-FREE

STRESS-FREE ON A WHOLE NEW LEVEL

- Buy what you need now – and expand later
- Add hardware modules and functional licenses whenever required

OMNIS TITRATOR

MAIN UNIT OF TITRATION SYSTEM

- Max. two Measuring Modules
- Connect up to four Titration or Dosing Modules
- Magnetic or rod stirrer (optional)
- 2, 5, 10, 20, 50 mL cylinders
- 100,000 pulses per cylinder volume

OMNIS TITRATION/ DOSING MODULE

EXPANDS THE OMNIS TITRATOR WITH ONE ADDITIONAL BURET FOR TITRATION/DOSING

- Max. two Measuring Modules
- One magnetic or rod stirrer (optional)
- To be used as independent Titrator
- 2, 5, 10, 20, 50 mL cylinders
- 100,000 pulses per cylinder volume

OMNIS SOLVENT MODULE

MAXIMUM COMFORT AND SAFETY (NOT ONLY) FOR KARL FISCHER TITRATION

- Contract free solvent handling
- Manual or software controlled solvent addition/ disposal

WORK STATION MODULE A

PUMP MODULES

- For cleaning purposes and fast addition of solvents
- Available as two- or four-channel version
- Upgrade whenever necessary
- Maximum: 1 Pump Module on Sample Robot S, 2 Pump Modules on Sample Robot M and L

WORK STATION MODULE B

PICK&PLACE MODULES

- For sample determination (titration/measurement)
- Available with or without magnetic stirrer
- Can be upgraded on any existing OMNIS Sample Robot to integrate additional applications in the OMNIS platform
- Maximum: 2 Pick&Place Modules on Sample Robot S, 4 Pick&Place Modules on Sample Robot M and L

LIQUID ADAPTER WITH 3S ADAPTER TECHNOLOGY

- Safe & contact-free chemical handling
- Secure information transfer via RFID – fully traceable reagent data
- Smart connection of certified reagents
- Bottle cap single-use (red) for original reagents
- Bottle cap multi-use (green) for free choice of reagents

dTRODES

- Intelligent electrode and measuring amplifier in one rugged sensor
- LED status indication
- Automatic transfer of sensor data

MEASURING MODULE DIGITAL

- Connects new generation of intelligent electrodes – the dTrodes
- Measuring range -2400...+2400 mV
- Optical signal transfer to titrator

MEASURING MODULE ANALOG

- Connects all Metrohm standard sensors without fixed cable
- Measuring range -2400... +2400 mV
- Optical signal transfer to titrator
- New plug type P

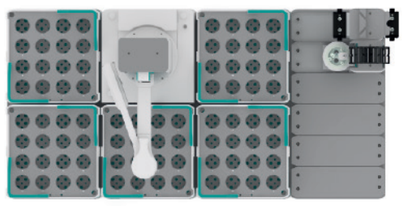
S

OMNIS SAMPLE ROBOT S

- Up to two Pick&Place Modules
- Up to four pumps on a single Pump Module
- Max. 50 x 75 mL on two sample racks
- Up to two titrations in parallel

Beaker size / mL	S with 2 racks
75	50
120	32
200	18
250	18

M



OMNIS SAMPLE ROBOT M

- Six slots for Work Stations in total
- Max. 125 x 75 mL on five sample racks
- Up to four titrations in parallel

Beaker size / mL	M with 5 racks
75	125
120	80
200	45
250	45

L

OMNIS SAMPLE ROBOT L

- Six slots for Work Stations in total
- Max. 175 x 75 mL on seven sample racks
- Up to four titrations in parallel

Beaker size / mL	L with 7 racks
75	175
120	112
200	63
250	63

MODULARITY ON A WHOLE NEW LEVEL

Firmware package	Add Prep Empty Fill	MEAS U MEAS T MEAS pH	MEAS Ipol MEAS Upol	CAL	SET w/o cond.	MET	DET	5 Parallel Titrations	KFT (volumetric)
Basic	+	+	+	+	+	Opt.	Opt.	Opt.	Opt.
Advanced	+	+	+	+	+	+	+	Opt.	Opt.
Professional	+	+	+	+	+	+	+	+	Opt.

WHAT CAN BE LICENSED?

Software License Bundle	Start OMNIS Software	Allowed number of OMNIS devices or RS232 instruments	TRIAL/EMERGENCY License
OMNIS Software Stand-Alone 6.06003.010	+	1	+
Instrument license 1 x 6.06002.010	–	1	–
Instrument license 5 x 6.06002.012	–	5	–
Instrument license 10 x 6.06002.013	–	10	–

Metrohm International Headquarters, CH-9100 Herisau/Switzerland, info@metrohm.com

www.metrohm.com

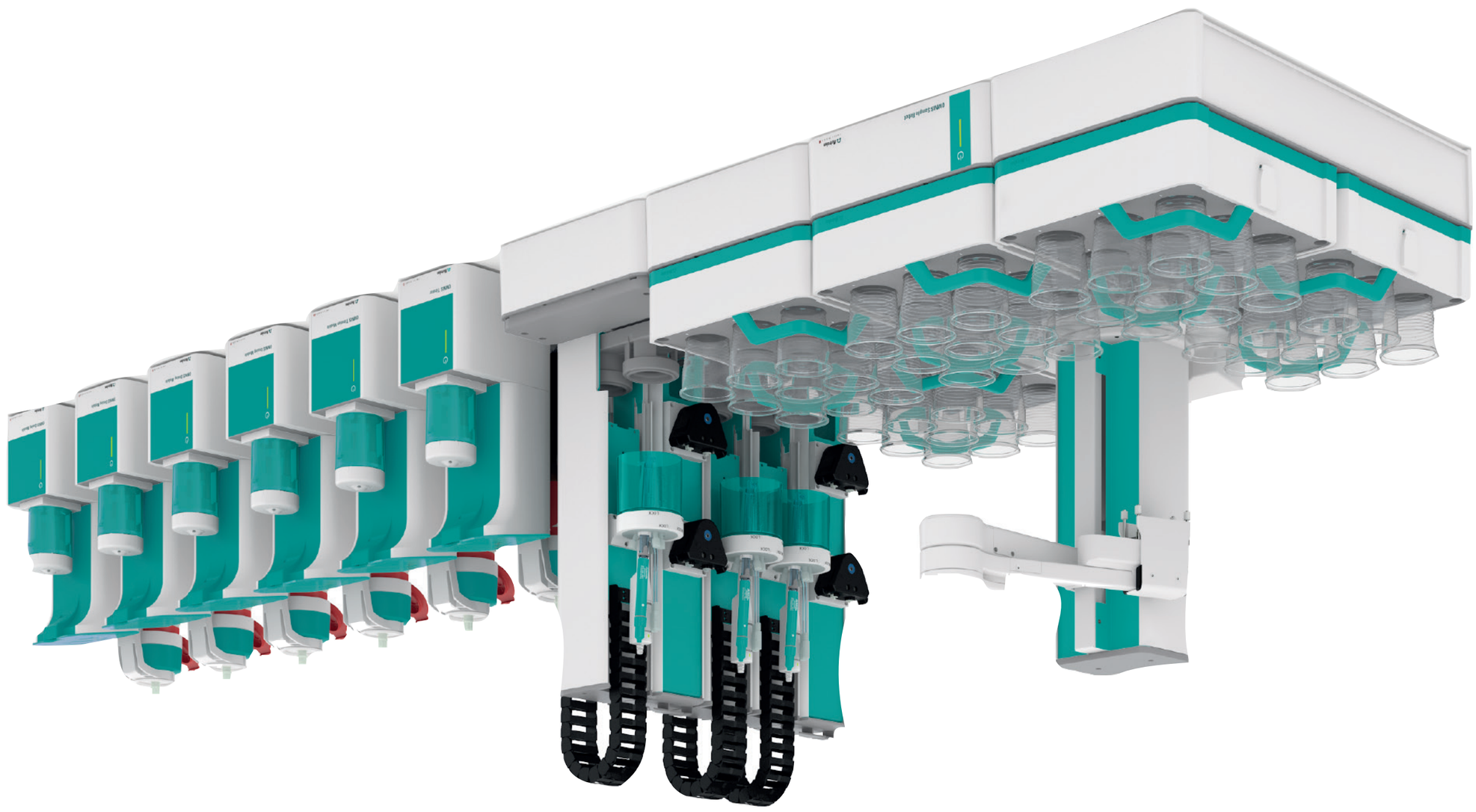
OMNIS

A WHOLE NEW LEVEL OF PERFORMANCE

Subject to change
Layout by RTS Rieger Team, printed in Switzerland by Metrohm AG, CH-9101 Herisau
8.000.5256EN – 2018-05

Metrohm

Metrohm



OMNIS

AT A GLANCE