OMNIS Titrator without stirrer, without function license

2.1001.0010

Innovative, modular potentiometric OMNIS Titrator. Thanks to 3S Liquid Adapter technology, handling chemicals is safer than ever before. The titrator can be freely configured with measuring modules and cylinder units and can have a stirrer added as needed. Thanks to various software function licenses, various measuring modes and functionalities are possible.

- Actuation via PC or local network
- Connection option for up to four additional titration or dosing modules for additional applications or auxiliary solutions
- Can be supplemented with magnetic stirrer and/or rod stirrer
- Various cylinder sizes available: 5, 10, 20 or 50 mL
- Liquid Adapter with 3S technology: Safe handling of chemicals and automatic transfer of the reagent data

Measuring modes and software options:

- Endpoint titration: "Basic" function license
- Endpoint and equivalence point titration (monotonic/dynamic): "Advanced" function license

- Endpoint and equivalence point titration (monotonic/dynamic) with parallel titration: "Professional" function license
- Optional licenses for additional measuring, titration, and operating modes (e.g. volumetric Karl Fischer titration, conductometric or thermometric titration, coulometry, determination of the bromine index)

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

Scope of delivery 2.1001.0010

Qt.	Order no.	Description
1 PCS	6.01600.010	OMNIS Liquid Adapter
		Adapter for connecting reagent bottles with 3S technology to an OMNIS Titrator, Titration Module or Dosing Module.

Qt.	Order no.	Description
1 PCS	6.01601.000	Bottle cap, multi-use
		Reusable bottle cap with 3S technology for connecting reagent bottles to an OMNIS Titrator, Titration Module or Dosing Module.

Qt.	Order no.	Description
1 PCS	6.02004.010	Bottle holder
		Bottle holder for OMNIS Titrator, Titration Module and Dosing Module.

1 PCS	6.02005.010	Electrode Parking Station

Electrode Parking Station for electrode storage on an OMNIS titration system.

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1 PCS	6.1608.020	Glass bottle / 1000 mL / GL 45

Bottle for auxiliary solutions.

Optional accessories

Order no.	Description
2.1002.0010	OMNIS Titration Module without stirrer Titration module for connection to an OMNIS Titrator for extending the system to include an additional buret for titration/dosing and up to two measuring modules (analog or digital). Can be supplemented with one magnetic stirrer or rod stirrer for use as separate titration stand. Freely selectable cylinder unit with 5, 10, 20 or 50 mL.
2.1002.0110	OMNIS Titration Module with magnetic stirrer Titration module with magnetic stirrer for connection to an OMNIS Titrator for extending the system to include an additional titration stand, a buret for titration/dosing and up to two measuring modules (analog or digital). Freely selectable cylinder unit with 5, 10, 20 or 50 mL.
2.1003.0010	OMNIS Dosing Module without stirrer Dosing module for connection to an OMNIS Titrator for extending the system to include an additional buret for titration/dosing. Can be supplemented with one magnetic stirrer or rod stirrer for use as separate titration stand. Freely selectable cylinder unit with 5, 10, 20 or 50 mL.
2.1003.0110	OMNIS Dosing Module with magnetic stirrer Dosing module with magnetic stirrer for connection to an OMNIS Titrator for extending the system to include an additional titration stand and a buret for titration/dosing. Freely selectable cylinder unit with 5, 10, 20 or 50 mL.

2.1006.0020   OMNIS Rod Stirrer Titration

Rod stirrer for connection to one OMNIS Titrator (cable length 1.1 m).

6.00200.300   dUnitrode with Pt1000

Digital, combined pH electrode for OMNIS with integrated Pt1000 temperature sensor. This electrode is particularly suitable for :
- pH measurements and titrations in difficult, viscous, or alkaline samples
- at elevated temperatures
- long-term measurements
The fixed ground-joint diaphragm is insensitive to contamination.

Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.
Alternatively: Reference electrolyte for measurements at T>80°C: Idrolyte, storage in Idrolyte.
dTrodes can be used on OMNIS Titrators.

6.00201.300   dEcotrode Plus

Digital, combined pH electrode for OMNIS.
The electrode is suitable for aqueous acid/base titrations.
The fixed ground-joint diaphragm is insensitive to contamination.
Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.
dTrodes can be used on OMNIS Titrators.

Metrohm

6.00202.300   dAquatrode Plus with Pt1000

Digital, combined pH electrode for OMNIS, with integrated Pt1000 temperature sensor, for pH measurements/titrations in ion-deficient aqueous media (e.g., drinking water, process water). This electrode shows a very short response time in these samples.
The fixed ground-joint diaphragm is insensitive to contamination.
When c(KCl) = 3 mol/L is used as bridge electrolyte, storage in storage solution is recommended.
The bridge electrolyte can be easily replaced with a chloride-free electrolyte (e.g., potassium nitrate $c(KNO_3)$ = 1 mol/L (6.2310.010)).

Storage in the bridge electrolyte used.
dTrodes can be used on OMNIS Titrators.

6.00203.300   dSolvotrode

Digital, combined pH electrode for OMNIS for all non-aqueous acid/base titrations. The glass membrane is optimized for poorly conducting solutions and thanks to the flexible ground-joint diaphragm, the electrode is suitable for contaminated samples.

This electrode can be used with non-aqueous reference electrolytes (lithium chloride or tetraethylammonium bromide).

Storage in corresponding reference electrolyte.
dTrodes can be used on OMNIS Titrators.

6.00204.300   dProfitrode

Digital, combined pH electrode for OMNIS with double-junction system.
This electrode is suitable for pH measurements/titrations of samples

- that contaminate the reference system of the electrode (e.g.,
  galvanic baths, samples containing sulfides)
- for which potassium chloride c(KCl) = 3 mol/L cannot be used as
  reference electrolyte (e.g., reaction of potassium or chloride with
  sample)

The electrode is equipped with a flexible ground-joint diaphragm which
is insensitive to contamination and which can be exchanged when
needed.
When c(KCl) = 3 mol/L is used as bridge electrolyte, storage in storage
solution is recommended.
The bridge electrolyte can be easily replaced with a suitable electrolyte (e.
g., potassium nitrate $c(KNO_3)$ = 1 mol/L (6.2310.010)). Storage in the
bridge electrolyte used.
dTrodes can be used on OMNIS Titrators.

6.00401.300   dPt Titrode

Digital, combined platinum ring electrode for OMNIS with a pH glass
membrane as reference electrode.
This maintenance-free electrode is suitable for redox titrations when the
pH value remains constant, e.g.:

- Iodometry
- Chromatometry
- Cerimetry
- Permanganometry

This electrode is stored in distilled water.
dTrodes can be used on OMNIS Titrators.

Metrohm

6.00402.300   dAg ring electrode

Digital, combined silver ring electrode for OMNIS with fixed ground-joint diaphragm.
This electrode is suitable for precipitation titrations where the pH value varies (titrant silver nitrate) of, e.g.

- Chloride, Bromide, Iodide
- Sulfides
- Hydrogen sulfide
- Mercaptans
- Cyanides

The fixed ground-joint diaphragm is insensitive to contamination. $c(KNO_3) = 1$ mol/ L is used as reference electrolyte and for storage.
dTrodes can be used on OMNIS Titrators.

6.00403.300   dPt ring electrode

Digital, combined platinum ring electrode for OMNIS with fixed ground-joint diaphragm.
This electrode is suitable for redox titrations when the pH value varies, e.g.:

- Oxygen content according to Winkler
- Determination of hydrogen peroxide with $KMnO_4$
- Diazotization titrations

The fixed ground-joint diaphragm is insensitive to contamination. $c(KCl) = 3$ mol/ L is used as reference electrolyte and for storage.
dTrodes can be used on OMNIS Titrators.

6.00502.300   Combined dCa ISE

Digital, combined calcium-selective electrode for OMNIS.
This ISE is suitable for:

- Ion measurements of Ca^{2+} ($1*10^{-7}$ to 1 mol/L) in aqueous solutions
- Complexometric (back) titrations (e.g., determination of water hardness)

Thanks to a robust/break-proof plastic shaft made of propylene and an impact protection for the polymer membrane, this sensor is mechanically very resistant.
The reference electrolyte used is c(KCl) = 3 mol/L.
dTrodes can be used on OMNIS Titrators.

6.01503.120   OMNIS 2 mL cylinder unit without accessories

Intelligent 2 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Without dosing tubing and antidiffusion tip.

6.01503.150   OMNIS 5 mL cylinder unit without accessories

Intelligent 5 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Without dosing tubing and antidiffusion tip.

Ω Metrohm

6.01503.210   OMNIS 10 mL cylinder unit without accessories

Intelligent 10 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Without dosing tubing and antidiffusion tip.

6.01503.220   OMNIS 20 mL cylinder unit without accessories

Intelligent 20 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Without dosing tubing and antidiffusion tip.

6.01503.250   OMNIS 50 mL cylinder unit without accessories

Intelligent 50 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Without dosing tubing and antidiffusion tip.

6.01900.010   Stirring propeller 30 mm ETFE

Stirring propeller 30 mm ETFE with adjustable height for use with Rod Stirrer "Titrator" or Rod Stirrer "Sample Robot"

6.01900.030	Stirring propeller 20 mm ETFE

Stirring propeller, 20 mm, with adjustable height for use with Rod Stirrer "Titrator" or Rod Stirrer "Sample Robot"

6.02100.010	Measuring module digital

Digital measurement channel for one OMNIS Titrator or Titration Module for the connection of digital "dTrodes" electrodes.

6.02101.011	Measuring module analog

Analog measurement channel for one OMNIS Titrator or Titration Module for the connection of analog electrodes. Compatible with OMNIS software version 2.18 or higher.

6.02102.010	Cable MDL PL/SO 0.5 m

Connecting cable for OMNIS instruments with MDL connector (0.5 m)

6.02102.020   Cable MDL PL/SO 1 m

Connecting cable for OMNIS instruments with MDL connector (1 m)

6.02102.030   Cable MDL PL/SO 2 m

Connecting cable for OMNIS instruments with MDL connector (2 m)

6.02102.040   Cable MDL PL/SO 5 m

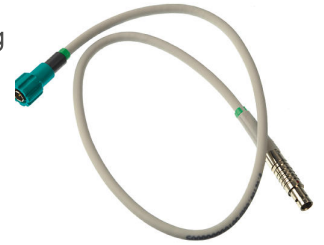Connecting cable for OMNIS instruments with MDL connector (5 m)

6.02102.050   Cable MDL PL/SO 10 m

Connecting cable for OMNIS instruments with MDL connector (10 m)

6.02104.000   Electrode cable plug-in head G / plug P, 0.55 m

Cable for connecting an analog electrode (plug-in head G) to an analog measuring module from OMNIS.

6.02104.010   Electrode cable plug-in head G / plug P, 1.5 m

Cable for connecting an analog electrode (plug-in head G) to an analog measuring module from OMNIS.

6.02104.020   Electrode cable plug-in head G (temp.) / plug P, 0.55 m

Cable for connecting a temperature sensor (head G) to an analog measuring module from OMNIS.

6.02104.030   Electrode cable plug-in head G (temp.) / plug P, 1.5 m

Cable for connecting a temperature sensor (head G) to an analog measuring module from OMNIS.

6.02104.040   Electrode cable plug-in head G (pol.) / plug P, 0.55 m

Cable for connecting an analog polarizable electrode (plug-in head G) to an analog measuring module from OMNIS.

6.02104.050   Electrode cable plug-in head G (pol.) / plug P, 1.5 m

Cable for connecting an analog polarizable electrode (plug-in head G) to an analog measuring module from OMNIS.

6.02104.300   Electrode cable plug-in head Q / plug P, 0.55 m

Cable for connecting a dTrode (plug-in head Q) to the digital measuring module from OMNIS.

6.02104.310   Electrode cable plug-in head Q / plug P, 1.5 m

Cable for connecting a dTrode (plug-in head Q) to the digital measuring module from OMNIS.

6.02104.600   Electrode cable plug-in head U / plug P, 0.55 m

Cable for connecting an electrode with plug-in head U to an analog measuring module from OMNIS.

6.02104.610   Electrode cable plug-in head U / plug P, 1.5 m

Cable for connecting an electrode with plug-in head U to an analog measuring module from OMNIS.
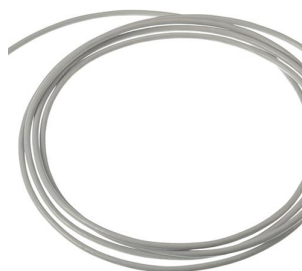

6.02106.000   Liquid Adapter extension cable, 0.55 m

Extension cable (0.55 m in length) for connecting an OMNIS Liquid Adapter to an OMNIS Titrator, Titration Module or Dosing Module.

6.02106.010   Liquid Adapter extension cable, 2 m

Extension cable (2 m in length) for connecting an OMNIS Liquid Adapter to an OMNIS Titrator, Titration Module or Dosing Module.

6.03001.120   OMNIS 2 mL cylinder unit

Intelligent 2 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Includes dosing tubing and antidiffusion tip.

6.03001.150   OMNIS 5 mL cylinder unit

Intelligent 5 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Includes dosing tubing and antidiffusion tip.

6.03001.210   OMNIS 10 mL cylinder unit

Intelligent 10 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Includes dosing tubing and antidiffusion tip.

6.03001.220   OMNIS 20 mL cylinder unit

Intelligent 20 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Includes dosing tubing and antidiffusion tip.

6.03001.250   OMNIS 50 mL cylinder unit

Intelligent 50 mL cylinder unit for an OMNIS Titrator, Titration Module or Dosing Module. Includes dosing tubing and antidiffusion tip.

6.05609.000   KFT equipment for OMNIS Titrator

Complete accessory set for volumetric Karl Fischer titration.

6.05609.010   KFT equipment for OMNIS Titrator with Polytron

Complete accessory set for volumetric Karl Fischer titration with Polytron.

6.06001.100   Function license DET

"Dynamic equivalence point titration" function license for one OMNIS titration system.

6.06001.110   Function license MET

"Monotonic equivalence point titration" function license for one OMNIS titration system.

6.06001.160   Function license KFT with conditioning

Function license for volumetric Karl Fischer titration with conditioning for an OMNIS titration system.

6.06001.320   Function license for 5 parallel titrations

Function license for a maximum of five parallel titrations using one OMNIS Titrator with additional Titration Modules or Dosing Modules.

6.06001.900   Function license Basic

Function license "Basic" for one OMNIS Titrator

- Liquid Handling (LQH)
- MEAS U/T/pH
- MEAS CONC (direct measurement and standard addition)
- Calibration (Cal)
- Endpoint titration without conditioning (SET)
- Titration with OMNIS Titration Module or OMNIS Dosing Module
- Parallel dosing

6.06001.910   Function license Advanced

Function license "Advanced" for one OMNIS Titrator

- Liquid Handling (LQH)
- MEAS U/T/pH
- MEAS CONC (direct measurement and standard addition)
- Calibration (Cal)
- Endpoint titration without conditioning (SET)
- Monotonic equivalence point titration (MET)
- Dynamic equivalence point titration (DET)
- Titration with OMNIS Titration Module or OMNIS Dosing Module
- Parallel dosing

6.06001.920   Function license Professional

Function license "Professional" for one OMNIS Titrator

- Liquid Handling (LQH)
- MEAS U/T/pH
- MEAS CONC (direct measurement and standard addition)
- Calibration (Cal)
- Endpoint titration without conditioning (SET)
- Monotonic equivalence point titration (MET)
- Dynamic equivalence point titration (DET)
- Titration with OMNIS Titration Module or OMNIS Dosing Module
- Parallel dosing
- Parallel titration