



# OMNIS Professional Titrator

2.1001.0310

(/) OMNIS Titrator 3S OMNIS Liquid Adapter Professional ()

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- 4
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- : 5102050 mL
- 3S OMNIS Liquid Adapter:

:

- : Basic ()
- (/): Advanced ()
- 5 (/): Professional ()

**2.1001.0310**

Qt.

Order no.

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.



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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.



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1 PCS

**6.02004.010**

**Bottle holder**

Bottle holder for OMNIS Titrator, Titration Module and Dosing Module.



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1 PCS

**6.02005.010**

**Electrode Parking Station**

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



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

For pistons for 807 Dosing Units or cylinder units OMNIS.



Bottle for auxiliary solutions.



**Order no.****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.



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:  $c(\text{KCl}) = 3 \text{ mol/L}$ , storage in storage solution.

Alternatively: Reference electrolyte for measurements at  $T > 80^\circ\text{C}$ :

Idrolyte, storage in Idrolyte.

dTodes can be used on OMNIS Titrators.



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:  $c(\text{KCl}) = 3 \text{ mol/L}$ , storage in storage solution.

dTodes can be used on OMNIS Titrators.



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  $c(\text{KCl}) = 3 \text{ mol/L}$  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  $c(\text{KNO}_3) = 1 \text{ mol/L}$  (6.2310.010)).

Storage in the bridge electrolyte used.

dTodes can be used on OMNIS Titrators.



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.

dTodes can be used on OMNIS Titrators.



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  $c(\text{KCl}) = 3 \text{ mol/L}$  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  $c(\text{KCl}) = 3 \text{ mol/L}$  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  $c(\text{KNO}_3) = 1 \text{ mol/L}$  (6.2310.010)). Storage in the bridge electrolyte used.

dTodes can be used on OMNIS Titrators.



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.



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.  $c(\text{KNO}_3) = 1 \text{ mol/L}$  is used as reference electrolyte and for storage.  
dTrodes can be used on OMNIS Titrators.



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  $\text{KMnO}_4$
- Diazotization titrations



The fixed ground-joint diaphragm is insensitive to contamination.  $c(\text{KCl}) = 3 \text{ mol/L}$  is used as reference electrolyte and for storage.

dTodes can be used on OMNIS Titrators.

Digital, combined calcium-selective electrode for OMNIS.

This ISE is suitable for:

- Ion measurements of  $\text{Ca}^{2+}$  ( $1 \cdot 10^{-7}$  to  $1 \text{ mol/L}$ ) 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  $c(\text{KCl}) = 3 \text{ mol/L}$ .

dTodes can be used on OMNIS Titrators.

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.



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**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.



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**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.



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**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.



## 6.02100.010      **Measuring module digital**

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



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## 6.02101.011      **Measuring module analog**

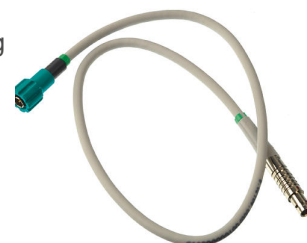
Analog measurement channel for one OMNIS Titrator or Titration Module for the connection of analog electrodes. Compatible with OMNIS software version 2.18 or higher.



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## 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.



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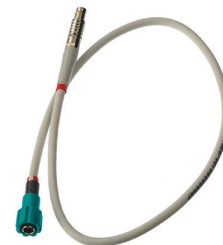
## 6.02104.010      **Electrode cable plug-in head G / plug P, 1.5 m**

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**

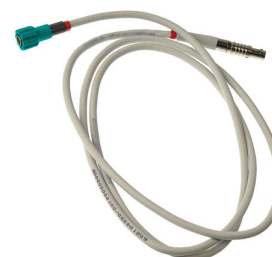
Cable for connecting a temperature sensor (head G) to an analog measuring module from OMNIS.



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**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.



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**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.



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**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 dTrobe (plug-in head Q) to the digital measuring module from OMNIS.



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

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



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**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.



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**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**

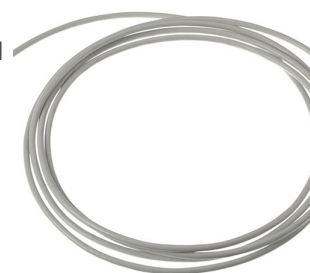
Extension cable (0.55 m in length) for connecting an OMNIS Liquid Adapter to an OMNIS Titrator, Titration Module or Dosing Module.



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**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.



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**6.03001.120      Cylinder unit OMNIS 2 mL**

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



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**6.03001.150      Cylinder unit OMNIS 5 mL**

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



**6.03001.210      Cylinder unit OMNIS 10 mL**

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



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**6.03001.220      Cylinder unit OMNIS 20 mL**

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



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**6.03001.250      Cylinder unit OMNIS 50 mL**

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



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**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.



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**6.06001.160 Function license KFT with conditioning**

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

