





Accessories for 2.916.0020

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 2.916.0020

Qty.	Order no.	Description	
1 pcs	1.916.0020	916 Ti-Touch with magnetic stirrer	 <p>"Reduce to the max" – this is the 916 Ti-Touch concept. The compact titrator from Metrohm offers the maximum in the class of stand-alone systems for routine analysis.</p> <p>The 916 Ti-Touch with built-in magnetic stirrer supports all potentiometric titrations: the titration modes DET (dynamic equivalence point titration), MET (monotonic equivalence point titration), SET (titration to one or two specified endpoints), STAT (enzymatic and pH-STAT titrations) and MAT (manual titration).</p> <p>The 916 Ti-Touch now also fulfills FDA Regulation 21 CFR, Part 11. This means you are always on the safe side when it comes to audits.</p>
1 pcs	6.1903.020	Stirring bar / 16 mm	 <p>Stirring Bar with magnetic core, PTFE coated, length 16 mm</p>
1 pcs	6.1903.030	Stirring bar / 25 mm	 <p>Stirring bar with magnetic core, PTFE covering, length 25 mm.</p>
1 pcs	6.2013.010	Clamping ring	 <p>For support rods with a diameter of 10 mm.</p>

1 pcs	6.2016.070	Support rod / 400 mm	
1 pcs	6.2021.020	Electrode holder Electrode holder for 4 electrodes and 2 buret tips	
2 pcs	6.2043.005	Holding clip for bottles Holding spring for reagent bottles in exchange units.	
1 pcs	6.2103.130	Adapter red 2 mm plug / 4 mm socket For connecting plug B (4 mm) to 2 mm socket.	
1 pcs	6.2103.140	Adapter black 2 mm plug / B socket 4 mm For connecting plug B (4 mm) to 2 mm socket.	

1 pcs **6.2164.010** **Power supply unit 100 - 240 V/24 V DC**
Power supply unit for 915 KF Ti-Touch and 916 Ti-Touch



1 pcs **6.2621.030** **Hexagon key 4 mm**



1 pcs **6.6063.901** **Demo CD for tiBase 1.1**

Demo CD for tiBase. Test version for 30 days.



1 pcs **6.6066.000** **USB flash drive for Ti-Touch**
USB flash drive for 915 KF Ti-Touch and 916 Ti-Touch.



Optional accessories

Order no.	Description
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2.142.0100 Custom Q3X thermal printer

Compact printer with USB interface for

- 900 Touch Control
- 915 KF Ti-Touch
- 916 Ti-Touch
- 917 Coulometer
- 877 / 848 Titrino plus
- 865 / 876 Dosimat plus
- 91X Meter (cable 6.2151.140)
- Eco Dosimat / Titrator
- 862 Compact Titrator
- 870 KF Titrino plus
- 899 Coulometer



Paper width 60 mm (40 characters). Including 6.2151.120 USB cable.

2.800.0020 800 Dosino

Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 0.65 m).



2.801.0040 801 Stirrer with stand

Magnetic stirrer including base plate, support rod and electrode holder for supplementing the Titrino plus, Dosimat plus, Titrandos, Sample Processors, 805 Dosimat and 780/781 pH meters as well as the 856 and 867 measuring modules. With permanently attached cable for MSB (Metrohm Serial Bus).



2.802.0040 802 Stirrer (propeller stirrer) for 804 Ti Stand

Rod stirrer with 6.1909.010 Propeller stirrer.



2.804.0040 804 Ti Stand with stand

Titration stand and controller for 802 Rod Stirrer. The 804 Ti Stand together with the optional 802 Rod Stirrer provides an alternative to the magnetic stirrer. Ti Stand with base plate, support rod and electrode holder.



2.805.0010 805 Dosimat

Dosing device for the Titrande and Sample Processors with read/write hardware for intelligent Exchange Units. With permanently attached cable. Without Exchange Unit.



2.810.0010 810 Sample Processor

Sample Processor for the automated analysis of routine samples using 916 Ti-Touch or 915 KF Ti-Touch.

Sample Processor with one workstation and one built-in membrane pump for the automatic processing of potentiometric as well as Karl Fischer titrations, in series with small to medium quantities. In addition to the built-in pump, an additional one (membrane or peristaltic) and up to three dosing devices for Liquid Handling tasks can be connected.

Because of the multitude of application variants, rack, stirrer, titration head, Swing Head and sample vessels must be tailored to the application and ordered separately.



2.854.0010 854 iConnect

854 iConnect - electrode cable and measuring amplifier for intelligent electrodes «iTrodes».



6.0278.300 iUnitrode with Pt1000

Intelligent, combined pH electrode with integrated memory chip for storing sensor data and Pt1000 temperature sensor. This electrode is particularly suitable:

- for pH measurements and titrations in difficult, viscous, or alkaline samples
- at elevated temperatures
- for 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.
iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.



6.0279.300 iSolvotrode

Intelligent, combined pH electrode with integrated memory chip for storing sensor data 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 well suited for contaminated samples. This electrode can be used with non-aqueous reference electrolytes (lithium chloride or tetraethylammonium bromide). Storage in the respective reference electrolyte.

iTrodes can be connected to Titrando, Ti-Touch, or 913/914 meters.



6.0280.300 iEcotrode plus

Intelligent, combined pH electrode with integrated memory chip for storing of sensor data. This 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.
iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.



6.0471.300 iPt Titrode

Combined platinum ring electrode with a pH glass membrane as reference electrode and integrated memory chip for storing sensor data.

This maintenance-free electrode is well suited for redox titrations when the pH value remains constant, e.g.:

- iodometry
- chromatometry
- cerimetry
- permanganometry

This electrode is stored in deion. water.



6.1115.000 Optrode

Optical sensor for photometric titrations offering 8 different wavelengths. The wavelength can be switched using the software (tiamo 2.5 or higher) or with a magnet. The glass shaft is completely solvent-resistant and easy to clean. For example, this space-saving sensor is suitable for:

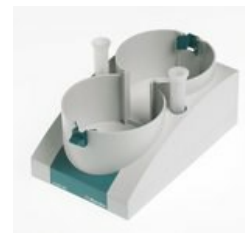
- Non-aqueous titrations in accordance with USP or EP
- Determinations of carboxyl end groups
- TAN/TBN in accordance with ASTM D974
- Sulfate determination
- Fe, Al, Ca in cement
- Water hardness
- Chondroitin sulfate in accordance with USP

The sensor is not suitable for determinations of concentrations via measurement of color intensity (colorimetry).



6.2061.010 **Bottle holder for Dosinos**

Bottle holder for up to two Dosinos, mounted on 1 L reagent bottles.



6.3026.110 **Exchange Unit 1 mL**

Exchange Unit with integrated data chip with 1 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, antidiffusion buret tip and standard amber glass reagent bottle.



6.3026.150 **Exchange Unit 5 mL**

Exchange Unit with integrated data chip with 5 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, anti-diffusion buret tip and standard amber glass reagent bottle.



6.3026.210 **Exchange Unit 10 mL**

Exchange unit with integrated data chip with 10 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, anti-diffusion buret tip and standard amber glass reagent bottle.



6.3026.220 Exchange Unit 20 mL

Exchange unit with integrated data chip with 20 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, anti-diffusion buret tip and standard amber glass reagent bottle.



6.3026.250 Exchange unit 50 mL

Exchange unit with integrated data chip with 50 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, antidiiffusion tip and standard amber glass reagent bottle.



6.3032.120 Dosing Unit 2 mL

Dosing unit with integrated data chip with 2 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 glass thread. FEP tubing connection, anti-diffusion buret tip.



6.3032.150 Dosing Unit 5 mL

Dosing unit with integrated data chip with 5 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.



6.3032.210 Dosing Unit 10 mL

Dosing unit with integrated data chip with 10 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.



6.3032.220 Dosing Unit 20 mL

Dosing unit with integrated data chip with 20 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.



6.3032.250**Dosing Unit 50 mL**

Dosing unit with integrated data chip with 50 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.

