781 pH/Ion Meter

2.781.0010

781pH/ pH9H pHGLPpHRS-2323pH/19

2.781.0010

Qt.	Order no.

| 1 PCS | **1.781.0010** | **781 pH/Ion Meter** |

In addition to pH, ion, voltage and temperature measurement, the combined 781 pH/Ion Meter also offers an automatic stirrer control, a multi-point calibration with up to nine buffers (pH mode), a method memory and various monitoring functions. The automatic pH electrode test in conformance with GLP permits objective assessment of the electrode. The large backlit multi-line display provides an overview and makes the individual settings easy. The bi-directional RS-232 interface enables data transfer to a printer or PC.

Three different modes are available for ion measurement: direct measurement, standard or sample addition. In the case of fully automated standard addition with an optional Dosimat, only the concentration of the standard and the desired quantity of addition steps need to be entered, the pH/ion meter takes care of the rest. Up to 19 standards can be used for the calibration for direct measurement.

| 1 PCS | **6.0258.600** | **Unitrode with Pt1000** |

Combined pH electrode with integrated Pt1000 temperature sensor for pH measurements/titrations. This electrode is particularly suitable:

- for pH measurements and titrations in difficult, viscous, or alkaline samples
- at elevated temperatures
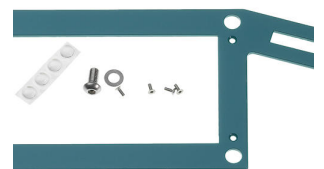- for long-term measurements

The fixed ground-joint diaphragm is insensitive to contamination.

Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.
Alternatively: reference electrolyte for measurements at T>80°C: Idrolyte, storage in Idrolyte.

| 1 PCS | **6.2001.080** | **Support stand for pH Meter** |

Support stand for 780, 781 pH meter

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1 PCS	**6.2013.010**	**Clamping ring**

For support rods with a diameter of 10 mm.

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

1 PCS	**6.2104.600**	**Electrode cable for plug in head U/plug F, 2x2 mm B, 1m**

For connecting electrodes with Metrohm plug-in head U to Metrohm instruments (socket F).

1 PCS	**6.2153.000**	**Power adapter 100-240 V / 12 V DC**

Power supply, 100-240 V, 50-60 Hz, 12 V DC for 780 pH-/Ionmeter, 781, is also used with 6.1830.020 heatable tubing

1 PCS	**6.2621.070**	**5 mm hex key for IC Sample Processors**

1 PCS	**6.2621.130**	**Hexagon key 2 mm**

2 mm.

Metrohm

Order no.	

2.140.0200   **Impact printer CUSTOM DP40-S4N**

Normal paper printer, paper width 58 mm (40 columns), serial interface RS 232C (DB9). U = 100...240 V, 50/60 Hz.

2.801.0010   **801 Stirrer**

Magnetic stirrer without stand for supplementing the Titrino plus, Dosimat plus, Titrandos, Sample Processors, 805 Dosimats and 780 /781 pH Meters. With permanently attached cable for MSB (Metrohm Serial Bus).

2.802.0040   **802 Stirrer for 804 Ti Stand**

Rod stirrer including 6.1909.010 stirring propeller.

2.804.0010   **804 Ti Stand without stand rod**

Titration stand and controller for 802 Stirrer. The 804 Ti Stand together with the optional 802 Stirrer provides an alternative to the magnetic stirrer. Without stand.

2.865.0010   **865 Dosimat plus**

Universal dispensing unit for titration and dosing tasks in the laboratory. Including push-button cable for manual dispensing control and 6.3026.220 exchange unit (20 mL). A multitude of instruments can be connected at the USB interface of the Dosimat plus, even a number of them simultaneously when a USB hub is used (keyboard, mouse, USB compact printer or USB DIN A4 printer, USB Memory Stick for methods and data backup). The optional 6.2148.030 USB/RS-232 Adapter Box enables the connection of laboratory balances and operation with a computer.

With its four dosing modes, the Dosimat plus offers a multitude of applications:

DOS (Dosing) – Dosing at the press of a button

This mode is particularly suitable for performing manual titrations with indicator. A result can be calculated and a result report can be printed automatically from the dosed volume.

XDOS (Extended dosing) – Controlled dosing

- Fixed volume dosing: The volume and the dosing rate are specified.
- Time-controlled dosing: The volume and the time are specified.
- Dosing according to dosing rate: The dosing rate and the time are specified.

If continuous dosing without interruption is required, then the 865 Dosimat plus can be operated together with an 805 Dosimat in tandem mode.

CNT D (Content dosing) – Preparation of standard and other solutions.

The volume of the solvent to be dosed is determined automatically on the basis of the sample size of the starting substance (solid or stock solution) and the specified target concentration.

LQT (Liquid transfer) – Pipetting and diluting of liquids.

Ω Metrohm

2.876.0010   **876 Dosimat plus**

Universal dispensing unit for manual titrations and dosings. Including push-button cable for manual dosing control and 20 mL exchange unit. A multitude of instruments can be connected at the USB interface of the Dosimat plus, even a number of them simultaneously when a USB hub is used (keyboard, mouse, USB compact printer or USB DIN A4 printer, USB Memory Stick for methods and data backup). The optional 6.2148.030 USB/RS-232 Adapter Box enables the connection of laboratory balances and operation with a computer. With its two dosing modes, the Dosimat plus offers the following applications:

DOS (Dosing) – Dosing at the press of a button

This mode is particularly suitable for performing manual titrations with indicator. A result can be calculated and a result report can be printed automatically from the dosed volume.

XDOS (Extended dosing) – Controlled dosing

- Fixed volume dosing: The volume and the dosing rate are specified.
- Time-controlled dosing: The volume and the time are specified.
- Dosing according to dosing rate: The dosing rate and the time are specified.

6.2103.130   **Adapter red 2 mm plug / 4 mm socket**

For connecting plug B (4 mm) to 2 mm socket.

6.2103.140   **Adapter black 2 mm plug / B socket 4 mm**

For connecting plug B (4 mm) to 2 mm socket.

6.2125.090   **RS-232 cable 1 m, 25-pin D – sub 25**

RS-232 extension cable (1:1). Specially shielded.

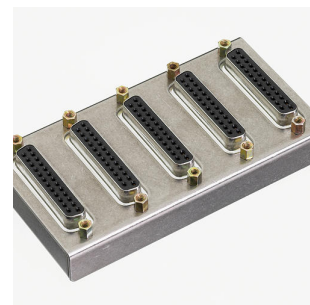**6.2125.110**   **RS-232 cable 3 m, 25-pin – 9-pin**

Connecting Metrohm RS-232 interface to PC. Used with pH Meters, Titrinos, KF Coulometers, VA Trace Analyzer.

6.2125.120   **Adapter sub D 25-pin/5 sockets**

Distributes the «Remote lines to 5 x 25-pin sockets. Used with pH Meters, Titrinos, KF Coulometer, Sample Changers, IC systems, etc.

6.2134.040   **RS-232 DB9 - IBM-PC(DB9) connecting cable**

For the Metrohm RS-232 interface - PC connection. For Titrinos, Titrino plus and 756, 831 KF Coulometer, RS-232/USB Box

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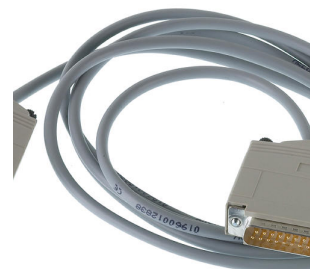**6.2134.110**   **Cable RS-232 DB9 socket f – DB9 plug**

Connecting Metrohm RS-232 interface (DB9) to a Custom DP40 printer. For Titrinos or 756/831 KF Coulometer. RS-232 extension cable (1:1)

6.2141.320   **Remote cable 869 Compact Sample Changer to Remote box MSB**
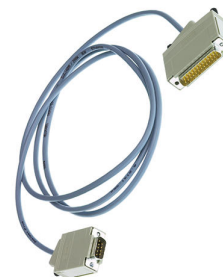
Remote cable (9-pin) for the connection of a 869 Compact Sample Changer to (6.2148.010). Remote box MSB

6.2141.350   **Cable Dosimat Plus (9p) - 781 (25p)**

Cable for connection of a Dosimat Plus to 781 pH/Ion meter for standard addition

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6.2148.010   **Remote Box MSB**

Additional remote interface for the connection of devices that can be controlled via remote lines. With permanently attached cable.

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6.2307.230   **Buffer solutions pH 4, 7 and 9**

Mixed buffer solutions pH 4.00/7.00/9.00 (25 °C) in single use sachets, colourless, box of 3 x 10 x 30 mL

6.2325.000   **pHit kit**

Maintenance kit for pH electrodes

The kit contains:

- 50 mL cleaning solution
- 50 mL 3M KCl solution
- 50 mL storage solution
- 2 Storage vessels
- Instructions for use