



Manual calibration and cleaning module

- On demand, on-site cleaning or calibration of sensors
- Compliance with individual quality standards and guidelines
- Long-term reliable and exact measurements
- Flexible use allows economical and thus easy on-site quality management

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 8905 Online water analysis system	▶
	Type 8906 Online water analysis system	▶
	Type MS01 pH Sensor Cube	▶
	Type MS03 Conductivity sensor cube	▶
	Type MS04 Oxidation reduction potential (ORP) sensor cube	▶

Type description

The handy and simple Type MZ15 module enables the operator to carry out minor interventions in the field such as sensor cleaning or calibration.

This system accessory for the Online water analysis system Type 8905 also extends the flexibility and thus supports economical and time-saving operation.

In this context, the manual calibration and cleaning Type MZ15 module helps to observe the specific individual quality standards in a simple way.

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1. General technical data

Product properties

Material

Make sure the device materials are compatible with the fluid you are using.
Further information can be found in chapter [“3.1. Bürkert resistApp” on page 4.](#)

Non-wetted parts

Housing	ABS
Screw	Stainless steel, passivated steel
Fixed connector	Zn, CuZn, Au, PA

Wetted parts

Seal	EPDM
Others	PA, POM, PPS, silicone
Dimensions	Further information can be found in chapter “4. Dimensions” on page 4.
Weight	Approx. 900 g (without bottle)

Electrical data

Operating voltage	4 × 1.5 V DC non-rechargeable alkaline (LR6 AA) batteries
Supply voltage of the sensor cubes	Via connected M12 plug

Medium data

Fluid	Calibration solution
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Product connections

Fluidic connection	Holder for 2 bottles with suction hose
Electrical connection	M12 plug (bÜS)

Approvals and conformities

Directives

CE directive	Further information on the CE directive can be found in chapter “2.2. Standards” on page 3.
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Environment and installation

Ambient temperature	Operation and storage: + 3...+ 40 °C
Relative air humidity	< 90 %, without condensation
Height above sea level	Max. 2000 m
Degree of protection according to IEC/ EN 60529	IP20

2. Approvals and conformities

2.1. Conformity

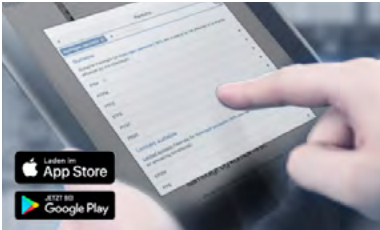
In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.2. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

3. Materials

3.1. Bürkert resistApp



Bürkert resistApp – Chemical resistance chart

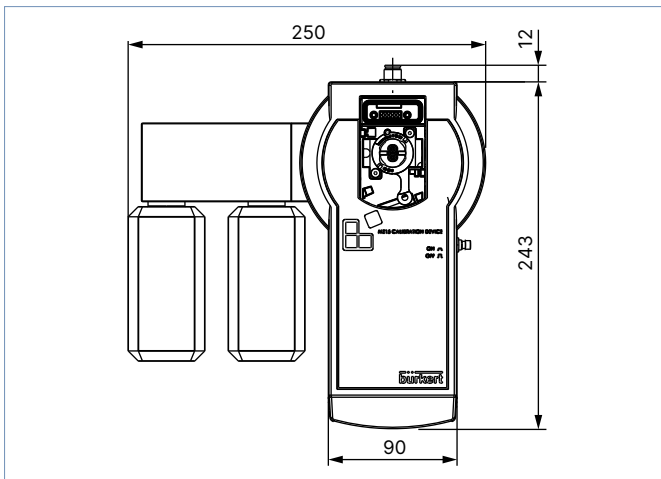
You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

4. Dimensions

Note:

Dimensions in mm, unless otherwise stated

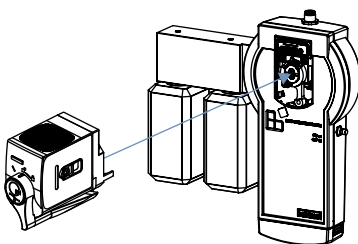


5. Product design and assembly

5.1. Product assembly

The handheld tool is an accessory designed to clean or calibrate the sensor cubes Type MS01, Type MS03 or Type MS04 for the Online water analysis system, Type 8905. The sensor cube, to be cleaned or calibrated, must be removed from the backplane of the 8905 system and inserted on the backplane of the portable cleaning or calibration tool.

Handheld calibration tool



The portable calibration tool must be connected to the Type 8905 Online water analysis system via a bus connection cable to access the calibration menu of the connected sensor. The portable calibration tool is equipped with a connection bracket, to which two bottles are to be screwed, one containing the calibration solution and the second used to recover the used solution. A pump sucks this solution through a pipe and returns it to the sensor cube. The calibration must be carried out according to the respective instructions of the sensor cube.

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6. Product accessories

Note:

To configure a device without a display, use the USB-büS interface set Type 8923.

See "8.4. Ordering chart accessories" on page 6 for ordering information.

Accessories	No.	Description
<p>USB-büS interface set 1</p>	1	Quick-Start
	2	Power supply: 100...240 V AC/24 V DC 1 A and power supply adapters for worldwide use
	3	büS terminating resistor on büS Y-splitter
	4	5-pin M12 male connector wired on free end cable, cable length: 0.2 m
	5	büS connection cable with 5-pin M12 male connector, micro USB B plug, cable length: 0.3 m
	6	büS adapter with 5-pin M12 male connector, A-coded to 5-pin M12 male connector, A-coded
	7	büS stick (USB to büS/CANopen adapter)
	8	büS service cable with 5-pin M12 female connector, mini USB plug and circular female connector for power supply, cable length: 0.7 m
	9	Magnetic key
<p>USB-büS interface set 2</p>		
		The Bürkert Communicator software can be downloaded from our website under the "Software" heading of Type 8920 ▶.

7. Networking and combination with other Bürkert products




Type 8905 ▶ Online water analysis system	Type MS01 ▶ pH sensor cube	Type MS03 ▶ Conductivity sensor cube	Type MS04 ▶ ORP sensor cube

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8. Ordering information

8.1. Bürkert eShop




Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

8.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)















8.3. Ordering chart

Description	Article no.
Handheld calibration tool	568805

8.4. Ordering chart accessories

Description	Article no.	
Solutions		
Buffer solution, 50 ml, pH value: 5.00 (+ 20 °C)	806698	
Buffer solution, 50 ml, pH value: 7.00 (+ 20 °C)	806699	
Buffer solution, 50 ml, pH value: 9.00 (+ 20 °C)	806700	
Buffer solution, 500 ml, pH value: 4.01 (+ 25 °C)	418540	
Buffer solution, 500 ml, pH value: 5.00 (+ 25 °C)	566031	
Buffer solution, 500 ml, pH value: 7.00 (+ 25 °C)	418541	
Buffer solution, 500 ml, pH value: 10.01 (+ 25 °C)	418543	
Flushing solution,	50 ml	806709
	250 ml	806710
Buffer solution, 50 ml, ORP value: 475 mV (+ 25 °C)	807045	
Buffer solution, 500 ml, ORP value: 475 mV (+ 25 °C)	418555	
Calibration solution, 50 ml, conductivity standard value: 5 mS/cm (+ 25 °C), ± 0.5 % accuracy	807199	
Calibration solution, 250 ml, conductivity standard value: 100 µS/cm (+ 25 °C), ± 1 % accuracy	440017	
Calibration solution, 250 ml, conductivity standard value: 706 µS/cm (+ 25 °C), ± 2 % accuracy	440018	
Calibration solution, 250 ml, conductivity standard value: 1413 µS/cm (+ 25 °C), ± 1 % accuracy	440019	
Cleaning solution acidic	250 ml	807478
	1000 ml	807479
	5000 ml	807480
Cleaning solution alkaline	250 ml	807486
	1000 ml	807487
	5000 ml	807489

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Description		Article no.						
Interface accessories								
USB-büS interface set								
	USB-büS interface set 1 (Type 8923) Further information can be found in chapter "6. Product accessories" on page 5.	772426 						
	USB-büS interface set 2 (Type 8923) Further information can be found in chapter "6. Product accessories" on page 5.	772551 						
Connectors and extensions								
	büS Y-distributor (M12 female connector, 5-pin to M12 male and female connectors, 5-pin)	772420 						
	M12 female and male connectors, 5-pin, straight, moulded on büS cable, shielded	<table border="1"> <tr> <td>1 m</td> <td>772404 </td> </tr> <tr> <td>3 m</td> <td>772405 </td> </tr> <tr> <td>5 m</td> <td>772406 </td> </tr> </table>	1 m	772404 	3 m	772405 	5 m	772406 
1 m	772404 							
3 m	772405 							
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