

# Тестеры проводимости, кондуктометры CARL ROTH

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**Уфа** (347)229-48-12  
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**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Чита** (3022)38-34-83  
**Якутск** (4112)23-90-97  
**Ярославль** (4852)69-52-93

**Россия** (495)268-04-70

**Казахстан** (772)734-952-31

**Киргизия** (996)312-96-26-47



# Conductivity testers



## Conductivity testers

Dostmann.

- Large LCD display
- Waterproof and dust-proof
- Automatic calibration with display of the calibrated ranges
- Automatic temperature correction from 0 to +50 °C
- Confirmation when a stable measured value is reached

### Technical specifications:

Art. No.	HPC8.1	HPC9.1
Type	COND 1	COND 5
Parameters	Conductivity, TDS	Conductivity, TDS, Salinity, Temperature
Conductivity measuring range	0 µS/cm to 20 mS/cm	
Conductivity resolution	automatic (1 µS/cm – 1 mS/cm)	
Conductivity accuracy	±20 µS/cm (0 to 1999 µS/cm), ±0.2 mS/cm (2.0 to 20.0 mS/cm)	±2 µS/cm (0 to 199.9 µS/cm), ±20 µS/cm (200 to 1999 µS/cm), ±0.2 mS/cm (2.0 to 20.0 mS/cm)
Calibration points	1/2 (standard)	1/2/3 (standard)
Reference temperature	+25 °C	+20 / +25 °C
TDS measuring range	0 ppm to 10 ppt	
TDS resolution	automatic (0.1 ppm – 0.01 ppt)	
TDS accuracy	±2 ppm (0.1 to 199.9 ppm), ±20 ppm (200 to 1999 ppm), ±0.1 ppt (2.00 to 10.00 ppt)	±2 ppm (0.1 to 199.9 ppm), ±20 ppm (200 to 1999 ppm), ±0.1 ppt (2.00 to 10.00 ppt)
Salinity measuring range		0 mg/l to 10 g/l
Salinity resolution		automatic (0.1 mg/l – 0.01 g/l)
Salinity accuracy		±2 mg/l (0.1 to 199.9 mg/l), ±20 mg/l (200 to 1999 mg/l), ±0.1 g/l (2.00 to 10.00 g/l)
Temperature measuring range		0 to +50 °C
Temperature resolution		0.1 °C
Temperature accuracy		±0.2 °C
IP rating	67	
Replaceable electrode	No	Yes
Ø x L	35 x 175 mm	
Weight	130 g	
Power supply	2x battery Micro/AAA 1.5 V	

**Delivery incl.** test solutions (1413 µS/cm and 12.88 mS/cm), storage case and batteries.

### (1) COND 1

Type	Art. No.	Pack Qty.
COND 1	HPC8.1	1 unit(s)

### (2) COND 5

Multicolour back lighting for status display of measurement mode, calibration and alarm.

Type	Art. No.	Pack Qty.
COND 5	HPC9.1	1 unit(s)



## Conductivity testers SD 70

Tintometer.

- Robust, waterproof housing
- Automatic calibration (1413 µS/cm, 12.88 mS/cm) and manual calibration (freely selectable calibration standards)
- Automatic temperature compensation
- Automatic change-over from µS/cm to mS/cm
- Small memory
- Auto Off after 8 min

### Technical specifications:

Art. No.	YP30.1
Type	SD 70
Parameters	Conductivity, Temperature
Conductivity measuring range	0 µS/cm to 20 mS/cm
Conductivity resolution	automatic (1 µS/cm – 0.01 mS/cm)
Conductivity accuracy	±60 µS/cm (0 to 1999 µS/cm), ±0.6 mS/cm (2.00 to 20.00 mS/cm)
Calibration points	1/2 (standard and user-defined)
Reference temperature	+25 °C
Temperature measuring range	0 to +60 °C
Temperature resolution	0.1 °C
Temperature accuracy	±1 °C
Data memory	25 data sets
IP rating	67
Replaceable electrode	Yes
L x W x H	177 x 43 x 29 mm
Weight	126 g
Power supply	2x battery Micro/AAA 1.5 V

**Delivery incl.** conductivity measuring cells, carrying strap, plastic box and batteries. Without solutions, please order separately.

Type	Art. No.	Pack Qty.
SD 70	YP30.1	1 unit(s)

# Conductivity meters



## Portable conductivity meters COND 7 Vio

Dostmann.

- Large LCD display with simultaneous display of conductivity and temperature
- Automatic calibration with display of the calibrated ranges
- Temperature correction: automatic from 0 to +100 °C, manual 0 to +80 °C
- Confirmation when a stable measured value is reached
- Reference temperature, adjustable cell constant and temperature coefficient

### Technical specifications:

Art. No.	HPL7.1	HPL8.1
Type	COND 7 Vio Basic	COND 7 Vio Set
Parameters	Conductivity, TDS, Temperature	
Conductivity measuring range	0 µS/cm to 200 mS/cm	
Conductivity resolution	automatic (0.01 µS/cm – 0.1 mS/cm)	
Conductivity accuracy	±0.4 µS/cm (0 to 19.99 µS/cm), ±4 µS/cm (20.0 to 199.9 µS/cm), ±40 µS/cm (200 to 1999 µS/cm), ±0.4 mS/cm (2.00 to 19.99 mS/cm), ±4 mS/cm (20.0 to 200.0 mS/cm)	
Calibration points	automatic: 1/2/3/4 (standard) manual: 1 (user-defined)	
Reference temperature	+15 – +30 °C	
Cell constant	0,1 / 1,0 / 10 cm <sup>-1</sup>	
Temperature coefficient	0 – 10,00 %/°C	
TDS measuring range	0 mg/l to 100 g/l	
TDS resolution	automatic (0.01 mg/l – 0.1 g/l)	
TDS accuracy	±0.2 mg/l (0 to 19.99 mg/l), ±2 mg/l (20.0 to 199.9 mg/l), ±20 mg/l (200 to 1999 mg/l), ±0.2 g/l (2.00 to 19.99 g/l), ±1 g/l (20.0 to 100.0 g/l)	
Temperature measuring range	0 to +100 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.5 °C	
Connection	BNC (EC), Cinch (°C)	
L x W x H	196 x 86 x 33 mm	
Weight	300 g	
Power supply	3x battery Mignon/AA 1.5 V	

### Basic

**Delivery incl.** test solutions (1413 µS/cm and 12.88 mS/cm), measuring beaker, storage case and batteries. Without conductivity sensor, please order separately.

Type	Art. No.	Pack Qty.
COND 7 Vio Basic	HPL7.1	1 unit(s)

### Set

2301T conductivity sensor with integrated temperature gauge.  
Measuring range: 10 µS to 200 mS/cm. Steel shaft, length/Ø: 120/12 mm. Operating range: 0 to +60 °C.

**Delivery incl.** 2301T conductivity sensor, test solutions (1413 µS/cm and 12.88 mS/cm), measuring beaker, storage case and batteries.

Type	Art. No.	Pack Qty.
COND 7 Vio Set	HPL8.1	1 unit(s)



## Conductivity sensor with BNC/Cinch

Dostmann.

With BNC/Cinch connection for measuring devices from Dostmann.

### Technical specifications:

Art. No.	HPL9.1	HPN0.1
Type	2301T	VPT 51/01
Conductivity measuring range	10 µS/cm to 200 mS/cm	0.1 µS/cm to 1 mS/cm
Operating temperature	0 to +60 °C	
Cell constant	1	0,1
Shaft length	120 mm	
Ø Shaft	12 mm	
Shaft material	Steel, PVC	
Temperature sensor	NTC 30 kΩ	
Connection	BNC (EC), Cinch (°C)	

Pic.	Type	Art. No.	Pack Qty.
(1)	2301T	HPL9.1	1 unit(s)
(2)	VPT 51/01	HPN0.1	1 unit(s)



# Conductivity meters



## Portable conductivity meters FiveGo™

Mettler-Toledo.

- Waterproof and dust-proof
- Ergonomic design for comfortable handling
- Simple, user-friendly menu
- Automatic calibration with three predefined standards
- Displays the current calibration and data memory
- Automatic or manual temperature correction
- Automatically or manually end a measurement; with acoustic and visual endpoint signal
- Selectable reference temperature

With robust conductivity sensor for medium to very high conductivity: LE703-IP67 with integrated temperature gauge.  
Measuring range: 0.01 to 200 S/cm. Plastic shaft, L/Ø: 120/12 mm.  
Operating range: 0 to +80 °C.

### Technical specifications:

Art. No.	HY63.1	HY64.1
Type	FiveGo™ F3 standard	FiveGo™ F3 field
Parameters	Conductivity, TDS, Temperature	
Conductivity measuring range	0 µS/cm to 200 mS/cm	
Conductivity resolution	automatic (0.01 µS/cm – 0.1 mS/cm)	
Conductivity accuracy	±0.5% of the measured value	
Calibration points	One (standard)	
Reference temperature	+20 / +25 °C	
TDS measuring range	0 mg/l to 200 g/l	
TDS resolution	automatic (0.01 mg/l – 0.1 g/l)	
TDS accuracy	±0.5% of the measured value	
Temperature measuring range	0 to +100 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.5 °C	
Data memory	200 measured values	
Connection	LTW 7-pin (IP 67)	
ISM Technology	No	
IP rating	67	
L x W x H	188 x 77 x 33 mm	
Power supply	4x battery Micro/AAA 1.5 V	

### F3 standard kit

**Delivery incl.** LE703-IP67 conductivity sensor, test solutions (1413 µS/cm and 12.88 mS/cm, each 1 x 20 ml), electrode clip, carrying strap and batteries.

Type	Art. No.	Pack Qty.
FiveGo™ F3 standard	HY63.1	1 unit(s)

### F3 field kit

**Delivery incl.** transport case, LE703-IP67 conductivity sensor, test solutions (1413 µS/cm and 12.88 mS/cm, each 1 x 20 ml), electrode clip, carrying strap and batteries.

Type	Art. No.	Pack Qty.
FiveGo™ F3 field	HY64.1	1 unit(s)



## Portable conductivity meters Seven2Go™

Mettler-Toledo.

Robust conductivity meter designed to withstand the harshest environments.

- Water and dust-proof, casing with impact protection
- Automatic and manual temperature correction
- Automatic, manual and timer-controlled endpoint determination
- User-defined intermittent measurement possible (max. operating time 1 h)
- Selectable reference temperature
- Intelligent Sensor Management (ISM®) for automatic recognition of ISM® sensors and reading in calibration data

With robust conductivity sensor for medium to very high conductivity: InLab® 738-ISM® (IP67) with integrated temperature gauge.  
Measuring range: 0.01 to 1000 S/cm. Plastic shaft, L/Ø: 120/12 mm.  
Operating range: 0 to +100 °C.

### Technical specifications:

Art. No.	CAL4.1	CAL5.1
Type	Seven2Go™ S3 Standard	Seven2Go™ S7 Standard
Parameters	Conductivity, TDS, Salinity, Temperature	
Conductivity measuring range	0 µS/cm to 500 mS/cm	0 µS/cm to 1000 mS/cm
Conductivity resolution	automatic (0.01 µS/cm – 1 mS/cm)	
Conductivity accuracy	±0.5% of the measured value	
Calibration points	One (standard and user-defined)	
Reference temperature	+20 / +25 °C	
TDS measuring range	0 mg/l to 300 g/l	0 mg/l to 600 g/l
TDS resolution	automatic (0.01 mg/l – 1 g/l)	
TDS accuracy	±0.5% of the measured value	
Salinity measuring range	0 to 42 psu	
Salinity resolution	automatic (0.01 psu – 0.1 psu)	
Temperature measuring range	-5 to +105 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.2 °C	±0.1 °C
Data memory	200 measured values	2000 data sets
Port		Micro USB (PC)
Connection	LTW 7-pin (IP 67)	
ISM Technology	Yes	
IP rating	67	
L x W x H	220 x 70 x 35 mm	
Weight	270 g	290 g
Power supply	4 x 1.5 V AA batteries	4x battery Micro/AAA 1.5 V

### S3 Standard Kit

**Delivery incl.** InLab® 738-ISM® (IP 67) conductivity sensor, test solutions (1413 µS/cm and 12.88 mS/cm, each with 2 x 20 ml sachets), electrode clip and batteries.

Type	Art. No.	Pack Qty.
Seven2Go™ S3 Standard	CAL4.1	1 unit(s)

# Conductivity meters

## S7 Standard Kit

- Menu structure with full-text display in 12 languages
- Graphical LCD display
- Memory capacity for 2000 data sets incl. date and time (GLP-compliant)
- Data readout via micro USB port

**Delivery incl.** InLab® 738-ISM® (IP 67) conductivity sensor, test solutions (1413 µS/cm and 12.88 mS/cm, each with 2 x 20 ml sachets), software, data cable, electrode clip and batteries.

Type	Art. No.	Pack Qty.	€
Seven2Go™ S7 Standard	CAL5.1	1 unit(s)	1.265,00



## Conductivity sensor with LTW

Mettler-Toledo.

With LTW connection for handheld measuring devices from Mettler Toledo.

### Technical specifications:

Art. No.	EEP9.1	CY95.1	LN44.1
Type	LE703-IP67	InLab® 738	InLab® 738-ISM®
Conductivity measuring range	0.01 to 200 mS/cm	0.01 to 1000 mS/cm	
Operating temperature	0 to +80 °C	0 to +100 °C	
Cell type	Four graphite pins		
Cell constant	0,55 cm <sup>-1</sup>	0,57 cm <sup>-1</sup>	
Shaft length	120 mm		
Ø Shaft	12 mm		
Shaft material	Epoxid		
Temperature sensor	NTC 30 kΩ		
ISM Technology	No		Yes
IP rating	67		
Connection	LTW, 7-pin (IP67)		

**Delivery incl.** fixed cable (length 1.8 m).

## InLab® without ISM®

Pic.	Type	Art. No.	Pack Qty.
(1)	LE703-IP67	EEP9.1	1 unit(s)
(2)	InLab® 738	CY95.1	1 unit(s)

## InLab® with ISM®

Thanks to the Intelligent Sensor Management (ISM®) system, all important data is stored in the sensor and automatically sent to ISM®-compatible measuring devices.

Pic.	Type	Art. No.	Pack Qty.
(3)	InLab® 738-ISM®	LN44.1	1 unit(s)



## Portable conductivity meters ProfiLine

WTW.

Robust and waterproof conductivity meter with parallel temperature display.

- 1-point calibration (freely adjustable calibration standard)
- Non-linear function for high-purity water and natural water (nLF)
- Selectable reference temperature

### Technical specifications:

Art. No.	KT27.1	KT28.1
Type	Cond 3110-set	Cond 3310-set
Parameters	Conductivity, Salinity, Temperature	Conductivity, TDS, Salinity, Temperature
Conductivity measuring range	0 µS/cm to 1000 mS/cm	
Conductivity resolution	automatic (0.1 µS/cm – 1 mS/cm)	automatic (0.001 µS/cm – 1 mS/cm)
Conductivity accuracy	±0.5% of the measured value	
Calibration points	1 (standard and user-defined)	
Reference temperature	+20 / +25 °C	
TDS measuring range		0 mg/l to 199 g/l
TDS resolution		automatic (1 mg/l – 0.1 g/l)
Salinity measuring range	0 to 70	
Salinity resolution	0.1	
Temperature measuring range	-5 to +105 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.1 °C	
Data memory		Manual, 200 data sets, Time-delayed, 5000 data sets
Port		Mini-USB
L x W x H	180 x 80 x 55 mm	
Power supply	4x battery Mignon/AA 1.5 V	

## Cond 3110 set

**Delivery incl.** TetraCon® 325 four-pole conductivity measuring cell, professional case with integrated measuring space and separate pockets for accessories, tripod, measuring beaker, test solutions (1413 µS/cm) and batteries.

Type	Art. No.	Pack Qty.
Cond 3110-set	KT27.1	1 unit(s)

## Cond 3310 set

- Integrated data logger
- Temperature compensation can be switched off
- Back-lit graphics display

**Delivery incl.** TetraCon® 325 four-pole conductivity measuring cell, professional case with integrated measuring space and separate pockets for accessories, tripod, measuring beaker, test solutions (1413 µS/cm), software, data cable and batteries.

Type	Art. No.	Pack Qty.
Cond 3310-set	KT28.1	1 unit(s)



# Conductivity testers



## Conductivity testers

Dostmann.

- Large LCD display
- Waterproof and dust-proof
- Automatic calibration with display of the calibrated ranges
- Automatic temperature correction from 0 to +50 °C
- Confirmation when a stable measured value is reached

### Technical specifications:

Art. No.	HPC8.1	HPC9.1
Type	COND 1	COND 5
Parameters	Conductivity, TDS	Conductivity, TDS, Salinity, Temperature
Conductivity measuring range	0 µS/cm to 20 mS/cm	
Conductivity resolution	automatic (1 µS/cm – 1 mS/cm)	
Conductivity accuracy	±20 µS/cm (0 to 1999 µS/cm), ±0.2 mS/cm (2.0 to 20.0 mS/cm)	±2 µS/cm (0 to 199.9 µS/cm), ±20 µS/cm (200 to 1999 µS/cm), ±0.2 mS/cm (2.0 to 20.0 mS/cm)
Calibration points	1/2 (standard)	1/2/3 (standard)
Reference temperature	+25 °C	+20 / +25 °C
TDS measuring range	0 ppm to 10 ppt	
TDS resolution	automatic (0.1 ppm – 0.01 ppt)	
TDS accuracy	±2 ppm (0.1 to 199.9 ppm), ±20 ppm (200 to 1999 ppm), ±0.1 ppt (2.00 to 10.00 ppt)	±2 ppm (0.1 to 199.9 ppm), ±20 ppm (200 to 1999 ppm), ±0.1 ppt (2.00 to 10.00 ppt)
Salinity measuring range		0 mg/l to 10 g/l
Salinity resolution		automatic (0.1 mg/l – 0.01 g/l)
Salinity accuracy		±2 mg/l (0.1 to 199.9 mg/l), ±20 mg/l (200 to 1999 mg/l), ±0.1 g/l (2.00 to 10.00 g/l)
Temperature measuring range		0 to +50 °C
Temperature resolution		0.1 °C
Temperature accuracy		±0.2 °C
IP rating	67	
Replaceable electrode	No	Yes
Ø x L	35 x 175 mm	
Weight	130 g	
Power supply	2x battery Micro/AAA 1.5 V	

**Delivery incl.** test solutions (1413 µS/cm and 12.88 mS/cm), storage case and batteries.

### (1) COND 1

Type	Art. No.	Pack Qty.
COND 1	HPC8.1	1 unit(s)

### (2) COND 5

Multicolour back lighting for status display of measurement mode, calibration and alarm.

Type	Art. No.	Pack Qty.
COND 5	HPC9.1	1 unit(s)



## Conductivity testers SD 70

Tintometer.

- Robust, waterproof housing
- Automatic calibration (1413 µS/cm, 12.88 mS/cm) and manual calibration (freely selectable calibration standards)
- Automatic temperature compensation
- Automatic change-over from µS/cm to mS/cm
- Small memory
- Auto Off after 8 min

### Technical specifications:

Art. No.	YP30.1
Type	SD 70
Parameters	Conductivity, Temperature
Conductivity measuring range	0 µS/cm to 20 mS/cm
Conductivity resolution	automatic (1 µS/cm – 0.01 mS/cm)
Conductivity accuracy	±60 µS/cm (0 to 1999 µS/cm), ±0.6 mS/cm (2.00 to 20.00 mS/cm)
Calibration points	1/2 (standard and user-defined)
Reference temperature	+25 °C
Temperature measuring range	0 to +60 °C
Temperature resolution	0.1 °C
Temperature accuracy	±1 °C
Data memory	25 data sets
IP rating	67
Replaceable electrode	Yes
L x W x H	177 x 43 x 29 mm
Weight	126 g
Power supply	2x battery Micro/AAA 1.5 V

**Delivery incl.** conductivity measuring cells, carrying strap, plastic box and batteries. Without solutions, please order separately.

Type	Art. No.	Pack Qty.
SD 70	YP30.1	1 unit(s)





# Conductivity meters



## Benchtop conductivity meters COND 50 VioLab

Dostmann.

- Large LCD display, backlit with simultaneous display of conductivity and temperature
- Automatic calibration with display of the calibrated ranges, stores the current calibration
- Automatic and manual temperature correction
- Confirmation when a stable measured value is reached
- Reference temperature, adjustable cell constant and temperature coefficient

### Technical specifications:

Art. No.	HXA8.1	HXA9.1
Type	COND 50 VioLab Basic	COND 50 VioLab Set
Parameters	Conductivity, TDS, Temperature	
Conductivity measuring range	0 µS/cm to 200 mS/cm	
Conductivity resolution	automatic (0.01 µS/cm – 0.1 mS/cm)	
Conductivity accuracy	±0.4 µS/cm (0 to 19.99 µS/cm), ±4 µS/cm (20.0 to 199.9 µS/cm), ±40 µS/cm (200 to 1999 µS/cm), ±0.4 mS/cm (2.00 to 19.99 mS/cm), ±4 mS/cm (20.0 to 200.0 mS/cm)	
Calibration points	automatic: 1/2/3/4 (standard) manual: 1 (user-defined)	
Reference temperature	+15 – +30 °C	
Cell constant	0.1 / 1.0 / 10 cm <sup>-1</sup>	
Temperature coefficient	0 – 10.00 %/°C	
TDS measuring range	0 mg/l to 100 g/l	
TDS resolution	automatic (0.01 mg/l – 0.1 g/l)	
TDS accuracy	±0.2 mg/l (0 to 19.99 mg/l), ±2 mg/l (20.0 to 199.9 mg/l), ±20 mg/l (200 to 1999 mg/l), ±0.2 g/l (2.00 to 19.99 g/l), ±1 g/l (20.0 to 100.0 g/l)	
Temperature measuring range	0 to +100 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.5 °C	
Connection	BNC (EC), Cinch (°C)	
L x W x H	160 x 185 x 70 mm	
Weight	550 g	
Power supply	Mains adapter	

### Basic

**Delivery incl.** test solutions (1413 µS/cm and 12.88 mS/cm), electrode holder and mains adapter.

Without conductivity sensor, please order separately.

Type	Art. No.	Pack Qty.
COND 50 VioLab Basic	HXA8.1	1 unit(s)

### Set

2301T conductivity sensor with integrated temperature gauge. Measuring range: 10 µS to 200 mS/cm.

Steel shaft, length/Ø: 120/12 mm. Operating range: 0 to +60 °C.

**Delivery incl.** 2301T conductivity sensor, test solutions (1413 µS/cm and 12.88 mS/cm), electrode holder and mains adapter.

Type	Art. No.	Pack Qty.
COND 50 VioLab Set	HXA9.1	1 unit(s)



## Benchtop conductivity meters SevenCompact™ S230

Mettler-Toledo.

- Large colour display (4.3") with Routine or Expert mode (e.g. for disabling Delete data or Edit data function)
- Menu navigation in 10 languages (DE, GB, FR, ES, IT, PT, CN, JP, KR, RU)
- 1-point calibration with 5 predefined groups and 1 user-defined group incl. temperature chart
- Automatic and manual temperature correction
- Selection of compensation methods: Linear, non-linear, high-purity water, off
- Manual cell constant input
- Intelligent Sensor Management (ISM®) for automatic recognition of ISM® sensors and reading in calibration data
- Internal measured value memory: Saving by pressing key or timed (intermittent) saving (interval is variable from 1 s to 40 min)
- USB ports for exporting data via USB stick (data sets are exported as a text (.txt) file) or for connecting a USB keyboard

### Technical specifications:

Art. No.	TA12.1	TA13.1
Type	SevenCompact™ S230 standard	SevenCompact™ S230-USP/EP
Parameters	Conductivity, TDS, Salinity, Temperature	
Conductivity measuring range	0 µS/cm to 1000 mS/cm	
Conductivity resolution	automatic (0.001 µS/cm – 1 mS/cm)	
Conductivity accuracy	±0.5% of the measured value	
Calibration points	One (standard and user-defined)	
Reference temperature	+20 / +25 °C	
TDS measuring range	0 mg/l to 1000 g/l	
TDS resolution	automatic (0.1 mg/l – 1 g/l)	
TDS accuracy	±0.5% of the measured value	
Salinity measuring range	0 to 80 psu	
Salinity resolution	automatic (0.01 psu – 0.1 psu)	
Salinity accuracy	±0.5% of the measured value	
Temperature measuring range	-5 to +105 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.1 °C	
Data memory	1000 data sets	
Port	RS 232, USB-A (printer), USB-B (PC)	
Connection	Mini-DIN	
ISM Technology	Yes	
L x W x H	204 x 174 x 74 mm	
Power supply	Mains adapter	
Mains connection	100–240 V, 50/60 Hz	

### S230 Standard kit

With conductivity sensor for medium to very high conductivity: InLab® 731-ISM® with integrated temperature gauge. Measuring range: 0.01 to 1000 S/cm. Plastic shaft, L/Ø: 120/12 mm. Operating range: 0 to +100 °C.

**Delivery incl.** InLab® 731-ISM® conductivity sensor, buffer solutions (1413 µS/cm and 12.88 mS/cm, each 2 x 20 ml), electrode holder and protective case.

Type	Art. No.	Pack Qty.
SevenCompact™ S230 standard	TA12.1	1 unit(s)

# Conductivity meters

## USP/EP kit

With conductivity sensor for samples with low conductivity, such as pure and high-purity water. InLab® 741-ISM® with integrated temperature gauge. Measuring range: 0.001 to 500 µS/cm. Stainless steel shaft, L/Ø: 120/12 mm. Operating range: 0 to +100 °C.

**Delivery incl.** InLab® 741-ISM® conductivity sensor, test solutions (1413 µS/cm, 2 x 20 ml), electrode holder and protective case.

Type	Art. No.	Pack Qty.
SevenCompact™ S230-USP/EP	TA13.1	1 unit(s)



## Benchtop conductivity meters FiveEasy™ F30 Standard Kit

Mettler-Toledo.

- Space-saving design with large display
- Simple, user-friendly menu
- Automatic calibration with three predefined standards
- Automatic or manual temperature correction
- Automatically or manually end a measurement; with acoustic and visual endpoint signal
- Saves the current calibration
- Selectable reference temperature

With robust conductivity sensor for medium to very high conductivity: LE703 with integrated temperature gauge. Measuring range: 0.01 to 200 S/cm. Plastic shaft, L/Ø: 120/12 mm. Operating range: 0 to +80 °C.

### Technical specifications:

Art. No.	HY61.1
Type	FiveEasy™ F30 Standard
Parameters	Conductivity, TDS, Temperature
Conductivity measuring range	0 µS/cm to 200 mS/cm
Conductivity resolution	automatic (0.01 µS/cm – 0.1 mS/cm)
Conductivity accuracy	±0.5% of the measured value
Calibration points	One (standard)
Reference temperature	+20 / +25 °C
TDS measuring range	0 mg/l to 200 g/l
TDS resolution	automatic (0.1 mg/l – 0.1 g/l)
TDS accuracy	±0.5% of the measured value
Temperature measuring range	0 to +100 °C
Temperature resolution	0.1 °C
Temperature accuracy	±0.5 °C
Connection	Mini-DIN
ISM Technology	No
L x W x H	227 x 147 x 70 mm
Power supply	Mains adapter
Mains connection	100–240 V, 50/60 Hz

**Delivery incl.** conductivity electrode type LE703, test solutions (1413 µS/cm and 12.88 mS/cm, each with 2 x 20 ml sachets), electrode arm and mains adapter.

Type	Art. No.	Pack Qty.
FiveEasy™ F30 Standard	HY61.1	1 unit(s)



## Conductivity sensor with Mini-DIN

Mettler-Toledo.

With Mini-DIN connection for tabletop measuring devices from Mettler Toledo.

### Technical specifications:

Art. No.	PP35.1	PP36.1	HY62.1	TA15.1	TA14.1
Type	InLab® 720	InLab® 751-4 mm	LE703	InLab® 741-ISM®	InLab® 731-ISM®
Conductivity measuring range	0.1 to 500 µS/cm	0.01 to 100 mS/cm	0.01 to 200 mS/cm	0.001 to 500 µS/cm	0.01 to 1000 mS/cm
Operating temperature	0 to +100 °C				
Cell type	Two platinum poles	Two platinum pins	Four graphite poles	Two steel pins	Four graphite poles
Cell constant	0,06 cm <sup>-1</sup>	1,0 cm <sup>-1</sup>	0,55 cm <sup>-1</sup>	0,105 cm <sup>-1</sup>	0,57 cm <sup>-1</sup>
Shaft length	120 mm				
Ø Shaft	12 mm	4 mm	12 mm		
Shaft material	Glass		Epoxid	Stainless steel	Epoxid
Temperature sensor	NTC 30 kΩ				
ISM Technology	No			Yes	
Connection	Mini-DIN				

**Delivery incl.** fixed cable (length 1 m).

### Without ISM®

Pic.	Type	Art. No.	Pack Qty.
(1)	InLab® 720	PP35.1	1 unit(s)
(2)	InLab® 751-4 mm	PP36.1	1 unit(s)
(3)	LE703	HY62.1	1 unit(s)

### With ISM®

Thanks to the Intelligent Sensor Management (ISM®) system, all important data is stored in the sensor and automatically sent to ISM®-compatible measuring devices.

Pic.	Type	Art. No.	Pack Qty.
(4)	InLab® 741-ISM®	TA15.1	1 unit(s)
(5)	InLab® 731-ISM®	TA14.1	1 unit(s)



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