

# HandyLab 200

## The portable Allrounder for conductivity measurements

Due to the wide selection of 2 and 4 pole measuring cells made by SI Analytics, the system consisting of a sensor and HandyLab 200 can be used for a variety of purposes such as conductivity, salinity, TDS and specific gravity. Autoread provides a stable, precise measuring value. The backlit display and waterproof design make it especially ideal for field use.

For easy reference, the HandyLab 200 has a storage capacity for up to 200 data sets, which can be put out on the display.



HandyLab

## Technical specifications

Measuring range/ resolution/ accuracy (all values +/- 1 digit)	Conductivity	0.0 ... 1000 mS/cm +/- 0.5 % from average
		0.000 ... 1.999 $\mu$ S/cm, K= 0.01 cm <sup>-1</sup> +/- 0,5 % of the mean value
		0.00 ... 19.99 $\mu$ S/cm, K= 0.010 cm <sup>-1</sup> ; K=0.100 cm <sup>-1</sup> +/- 0,5 % of the mean value
	Specific resistance	1.000 Ohm cm ... 199.9 MOhm cm +/- 0,5 % of the mean value
	Salinity	0.0 ... 70.0 (IOT)
	TDS	0 ... 1999 mg/l, 0 bis 199.9 g/l
Temperature	-5.0 ... 105.0 °C +/- 0.1 °C	
Cell constant	Fixed	0.475 cm <sup>-1</sup> , 0.100 cm <sup>-1</sup> , 0.010 cm <sup>-1</sup>
	Calibratable (1 point)	0.450 to 0.500 cm <sup>-1</sup> , 0.585 ... 0.715 cm <sup>-1</sup> , 0.800 ... 0.880 cm <sup>-1</sup> , Standard: 0.01 mol/L KCl
	Adjustable:	0.250 ... 25.000 cm <sup>-1</sup> ; 0.090 ... 0.110 cm <sup>-1</sup>
Temperature compensation	Adjustment	Automatic/manual
	Temperature coefficient	nLF: none linear function according to EN 27 888 and ultrapure water function
		Linear compensation 0.000 ... 3.000 %/K
Handling	No Compensation	
	AutoRead	Automatic/manual
	Celsius/Fahrenheit	Yes
	Display	LCD B/W Graphic backlit
	Data memory	Manual 200 data sets
	Logger	Manual
	Power supply	4 x 1.5 V AA or 4 x 1.2 V NiMH rechargeable battery
	Continuous operating time	Up to 800 h without/ 100 h with backlight
	Sensor connector	8 Pole
Waterproof	IP67 (including battery compartment, USB ports and channels)	



- ▶ Waterproof IP67
- ▶ Reproducible results due to active automatic AutoRead function
- ▶ Data storage with output on display
- ▶ Backlit graphic display with clear text menu

**Advantages**  
HandyLab 200