

MicroDirect (IP 67 waterproof)



pH-value
ORP/Redox
TDS
Conductivity
Salinity
Temperature

Photo: Schwimmbad & Sauna / Grafinger

MicroDirect	pH 10	pH 30	ORP/Redox 10	Conductivity EC 11
Range	0...14 pH		-999...+1000 mV	0...2000 µS/cm 0...20,00 mS/cm ¹⁾
Resolution	0.1 pH	0.01 pH	1 mV	10 µS/cm
Accuracy	± 0,1	± 0,01	± 1 % Full scale	± 1 % Full scale
Calibration	3-point		1-point	1413 µS/cm 12.88 mS/cm
Temperature	Display	---	0...50 °C/32-122°F	---
	Resolution	---	0.1°C/°F	---
	Accuracy	---	± 0.5°C/0.9°F	---
	Compensation	0-50 °C / 32-122 °F		---
	Operation Temp.	0-50 °C		---
Battery Capacity	> 500 h	> 500 h	> 500 h	> 150 h
Auto Off	ca. 8.5 minutes after last keypress			
Size/Weight	ca. 16.5 cm x 3.8 cm ,90 gr			
with Packaging	ca. 22 cm x 6 cm x 5 cm,170 gr			
Order Code	19 46 41	19 46 31	19 46 61	19 46 81



The MicroDirect series is a range of waterproof and dust-tight (IP67) units for the determination of pH, ORP/redox, conductivity, TDS, salinity and temperature. The compact, robust housing and replaceable electrodes meet the high standards required of state of the art technology.

All units are equipped with an automatic switch-off and a "Hold" function which freezes the result in the display with a single keypress.

MicroDirect	TDS 11	Salinity 11	Temperature
Range	0...2000 ppm 0...10,00 ppt ²⁾	0...10.00 ppt ³⁾ NaCl	-40...+200 °C changeable to °F
Resolution	10 ppm 0.10 ppt	0.10 ppt	0.1 °C
Accuracy	± 1 % Full Scale	± 1 % Full Scale	± 1 °C from -10°C...+100°C ± 2 °C > +100°C...+200°C
Calibration	9.98 ppm 9.02 ppt	1-Point	
Temperature	Display	0-50 °C 32-122°F	0-50 °C 32-122°F
	Resolution	0.1°C/°F	0.1°C/°F
	Accuracy	±0.5°C/0.9°F	±0.5°C/0.9°F
	Compensation	0-50 °C / 32-122°F	
	Operation Temp.	0-50 °C	
Battery Capacity	> 150 h	> 150 h	ca. 1 year
Auto Off	ca. 8.5 minutes after last keypress		ca. 15 minutes after last keypress
Size/Weight	ca. 16.5 cm x 3.8 cm ø, 90 gr		ca. 9.5 cm x 6.0 cm x 1.8 cm, ca.130 gr
with Packaging	ca. 22 cm x 6 cm x 5 cm, 170 gr		ca. 26 cm x 7.5 cm x 2.0 cm, ca.160 gr
Order Code	19 47 01	19 47 11	19 47 30

Conversion table

- ¹⁾ 0 - 20.00 mS/cm = 0 - 20000 µS/cm
- ²⁾ 0 - 10.00 ppt TDS = 0 - 10000 ppm TDS
- ³⁾ 0 - 10.00 ppt NaCl = 0 - 10000 ppm NaCl
0 - 10.00 ppt NaCl = 0 - 1 % NaCl
0 - 10.00 ppt NaCl = 0 - 10 g/l NaCl
ppm = Parts per Million = mg/l
ppt = Parts per Thousand = g/l

Delivery content

- MicroDirect in a sturdy plastic box (exemption: MicroDirect Temperature)
- Batteries
- Lanyard
- Instruction manual