

Instrument	pH 3110	pH 3210	pH 3310
pH	-2,0 ... 19,9 ±0,1 pH -2,00 ... 19,99 ±0,01 pH -2,000 ... 19,999 ±0,005 pH	-2,0 ... 19,9 ±0,1 pH -2,00 ... 19,99 ±0,01 pH -2,000 ... 19,999 ±0,005 pH	-2,0 ... 19,9 ±0,1 pH -2,00 ... 19,99 ±0,01 pH -2,000 ... 19,999 ±0,005 pH
mV	±1200,0 ±0,3 mV ±2000 ±1 mV	±1200,0 ±0,3 mV ±2500 ±1 mV	±1200,0 ±0,3 mV ±2500 ±1 mV
Temperature	-5,0 ... 105,0 °C ±0,1 °C	-5,0 ... 105,0 °C ±0,1 °C	-5,0 ... 105,0 °C ±0,1 °C
AutoRead	automatic	automatic/manual selectable	automatic/manual selectable
CMC	-	yes	yes
Calibration	1, 2 or 3 points; WTW Technical, DIN buffers	1, 2, 3, 4 or 5 points; WTW Technical, DIN/NIST and further 16 buffer sets	1, 2, 3, 4 or 5 points; WTW Technical, DIN/NIST and further 16 buffer sets
Calibration memory	current calibration recallable	current calibration recallable	up to 5 calibrations recallable
Display	7 segment LCD	LCD graphic display, backlit	LCD graphic display, backlit
Data memory	-	manual 200	manual 200/automatic 5000
Datalogger	-	manual	manual/timer driven
Interface	-	-	USB slave
Power supply	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable
Continuous operation	up to 2500 hours	up to 1000 hours (150 with lit display)	up to 1000 hours (150 with lit display)

Instrument	Oxi 3205/Oxi 3210	Oxi 3310
D.O. Concentration*	0,00 ... 19,99 mg/l ±0,5 % of m. value 0 ... 90 mg/L ±0,5 % of measured value	0,00 ... 19,99 mg/l ±0,5 % of m. value 0 ... 90 mg/L ±0,5 % of measured value
Saturation*	0,0 ... 199,9 % ±0,5 % of measured value 0 ... 600 % ±0,5 % of measured value	0,0 ... 199,9 % ±0,5 % of measured value 0 ... 600 % ±0,5 % of measured value
Part. pressure*	0 ... 199,9 hPa, 0 ... 1250 hPa ±0,5 %	0 ... 199,9 hPa, 0 ... 1250 hPa ±0,5 %
Temperature	-5,0 ... 105,0 °C ±0,1 °C	-5,0 ... 105,0 °C ±0,1 °C
AutoRead	automatic/manual selectable	automatic/manual selectable
Calibration	CellOx/DurOx with OxiCal calibration vessel	CellOx/DurOx with OxiCal calibration vessel against external standard
Calibration memory	current calibration recallable	up to 5 calibrations recallable
Built-in air pressure sensor for compensation	yes	yes
Display	LCD graphic display, backlit	LCD graphic display, backlit
Data memory	Oxi 3205: none, Oxi 3210: manual 200	manual 200/automatic 5000
Datalogger	Oxi 3205: none, Oxi 3210: manual 200	manual/timer driven
Interface	-	USB slave (PC)
Power supply	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable
Continuous operation	up to 1000 hours (150 with lit display)	up to 1000 hours (150 with lit display)

* depending on sensor

Instrument	Cond 3110	Cond 3210	Cond 3310
Conductivity	0,0 ... 1000 mS/cm ±0,5 % v. Mw.	0,0 ... 1000 mS/cm ±0,5 %	0,0 ... 1000 mS/cm ±0,5 %
Additionally		0,000 ... 1,999 µS/cm, K=0,01 cm ⁻¹ 0,00 ... 19,99 µS/cm, K=0,01 cm ⁻¹	0,000 ... 1,999 µS/cm, K=0,01 cm ⁻¹ 0,00 ... 19,99 µS/cm, K=0,01 cm ⁻¹
Specific resistance	-	0,00 ... 20 MΩ cm	0,00 ... 20 MΩ cm
Cell constants	fixed 0,475 cm ⁻¹ , 1,0 cm ⁻¹ , calibratable 0,450 ... 0,500 cm ⁻¹ , 0,585 ... 715 cm ⁻¹ , 0,800 ... 1,200 cm ⁻¹	fixed 0,475 cm ⁻¹ , 1,0 cm ⁻¹ , 0,01 cm ⁻¹ calibratable: 0,450 ... 0,500 cm ⁻¹ , 0,585 ... 715 cm ⁻¹ , 0,800 ... 1,200 cm ⁻¹ , adjustable: 0,090 ... 0,110 cm ⁻¹	fixed 0,475 cm ⁻¹ , 1,0 cm ⁻¹ , 0,01 cm ⁻¹ calibratable: 0,450 ... 0,500 cm ⁻¹ , 0,585 ... 715 cm ⁻¹ , 0,800 ... 1,200 cm ⁻¹ adjustable: 0,090 ... 0,110 cm ⁻¹
Salinity	0,0 ... 70,0 (according to IOT)	0,0 ... 70,0 (according to IOT)	0,0 ... 70,0 (according to IOT)
TDS	-	0 ... 1999 mg/l, 0 bis 199,9 g/l	0 ... 1999 mg/l, 0 bis 199,9 g/l
Temperature	-5,0 ... 105,0 °C ±0,1 °C	-5,0 ... 105,0 °C ±0,1 °C	-5,0 ... 105,0 °C ±0,1 °C
AutoRead	automatisch	automatic/manual selectable	automatic/manual selectable
T _{ref}	20 °C/25 °C	20 °C/25 °C	20 °C/25 °C
Temperature compensation	nLF	none, nLF, 0,000 ... 10,00 %/K	none, nLF, 0,000 ... 10,00 %/K
Calibration memory	current calibration recallable	current calibration recallable	up to 5 calibrations recallable
Display	7 segment LCD	LCD graphic display, backlit	LCD graphic display, backlit
Data memory	-	manual 200	manual 200/automatic 5000
Datalogger	-	manual	manual/timer driven
Interface	-	-	USB slave
Power supply	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable	4 x 1,5V AA or 4 x 1,2V NiMH rechargeable
Continuous operation	up to 1000 hours	up to 800 hours (100 with lit display)	up to 800 hours (100 with lit display)

all values ±1 digit