



Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 1410
CALIBRATION DATE: 04-Apr-23

SBE 18 pH CALIBRATION DATA

pH COEFFICIENTS:
pHslope = 4.6349
pHoffset = 2.5463

pH BUFFER	TEMPERATURE (°C)	INSTRUMENT OUTPUT (volts)	COMPUTED pH	RESIDUAL (pH)
4.0	22.8	1.726	3.986	-0.014
7.0	22.8	2.554	7.028	0.028
10.0	22.8	3.359	9.986	-0.014

Vout = Instrument pH sensor output in volts

$$\text{pH} = 7.0 + (\text{Vout} - \text{pHoffset}) / (\text{pHslope} * \text{°K} * 1.98416\text{E-}4)$$

Residual (pH) = instrument pH - buffer pH

