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**DISSOLVED OXYGEN SENSOR CALIBRATION: S/N 130353 21 March 2001**

Sensor type:

Beckman, Module S/N 10205-02

Sensor Current

m = 2.4624 E-7  
b = -5.6634 E-10

The use of these constants in a linear equation of the form

$$I = mV + b$$

will yield DO sensor membrane current as a function of sensor output voltage.

Sensor Compensation Temperature

k = 8.9643  
c = -6.8963

The use of these constants in a linear equation of the form

$$T = kV + c$$

will yield membrane temperature as a function of temperature channel voltage with a maximum error of about 0.5 deg C. The correction to dissolved oxygen resulting from the use of this calibration should be sufficient to achieve the precision of which the sensor is capable.

SEASOFT Coefficients based on Oxfit Calibration Results

Soc	2.9291	
Boc	-0.0113	
tcor	-0.033	(nominal)
pcor	1.50e-4	(nominal)
tau	2.0	(nominal)
wt	0.67	(nominal)

barometer	=	1017.657	mB
Twater	=	4.901	deg C
Tcomp	=	4.578	deg C
lsat	=	0.406	uA
lair	=	0.568	uA
lzero	=	0.003	uA

**CALIBRATION  
AFTER  
MODIFICATIONS**