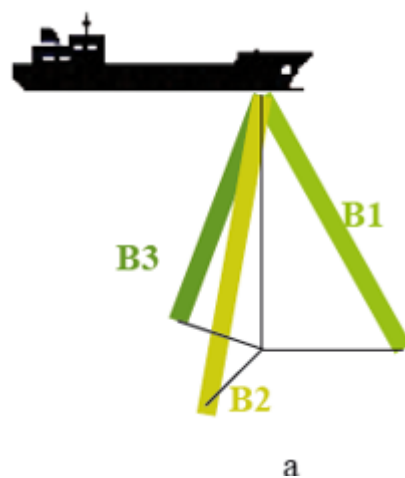


DL850 Temperature compensation

If a speed error of some knot is observed in an area it is possibly caused by an effect of different temperature in the water.

It is possible to remove or reduce this effect by introducing a temperature compensation in the calibration.

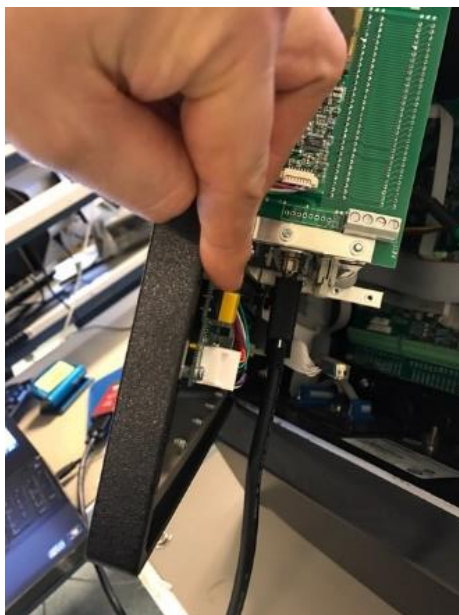
The DL850 speed log will calculate the speed by use of acoustic signals being transmitted in a 30deg angle from vertical. This angle will slightly vary depending on temperature.



DL850 software version 4.03.04 and higher includes an optional temperature compensation. Described in appendix 4 in the manual.

Procedure

Goto "Screen calibration", "Menu 4".



Press and hold the hidden button until 3 beeps are heard. (There is a long pause between beep 2-3)

Surface sound speed		Average Sound speed		Xducer type	Salinity	Beam Angle
1523m/s (auto)		1523m/s (auto)		off	35	29.0° (fix)
Measured speed		Calibrated speed		Averaged drift		
1.9kn	0.9kn	25.2°	1.9kn	0.9kn	24.9°	26.5°
0.1kn	-0.2kn	-73.3°	0.1kn	-0.2kn	-73.3°	Trip BT
						0.00NM
Screen calibration						
4 MENU	off XDUCER CON			auto SOUND SURF	auto SOUND AVER	

Set "XDUCER CON" to "A/B".

The temperature compensation will now be fit to the sensors part number ending on -SA, -LA, -SB and -LB.

Please note that a new speed calibration, or a fine tune of the existing calibration, may be required after this set change.