Nanometrics 120PA

	centered, settled, level	2 W
	not yet settled	3 W
	start up	4.5 W

Quanterra Q330S	3 channel	0.6 W
	6 channel	0.8 W
	add 1.2 W for continuouse operation	

We could run in a non-continuous mode. We should then estimate the power requirement for a Q330 at 1W

Power (W) = Voltage (V) X current (A)

Continuouse operation current is 5/12 liberal estimate
non continuous (buffer) current 4/12 to a very tight estimate of 3/12

In US measure battery capacity using
CCA (cold cranking amps): Battery capacity (A-h) CCA/7.25
RC (reserve capacity): Battery capacity (A-h) (RC/2)+16

Costs:
Air cell: Cegasa 2AS10-2 1200A-h 3V $220 each
need 12 total $2640

					v.liberal(5/12) hrs (weeks)	liberal(4/12) hrs (weeks)	tight(3/12) hrs (weeks)
Duralast Marine	type 24	RC140	(86 A-h)	$128	206 (1.2)	258(1.5)	344(2.0)
	type 27	RC180	(106 A-h)	$138	254 (1.5)	318(1.9)	424(2.5)
	type 29	RC210	(121 A-h)	$148	290 (1.7)	363(2.2)	484(2.9)

Could (if we had to) do a two week service with one (1) type 29 per station

Alternate Sensor

L22	passive	0 W	
Q330S	3 channel buffered	0.6 W	0.05 A

	using .05 A		using 0.08 A	
1 X RC140 (86 A-h)	1720 hrs	(72 days)	1075 hrs	(44 days)
1 X RC180 (106 A-h)	2120 hrs	(88 days)	1325 hrs	(55 days)
1 X RC210 (121 A-h)	2420 hrs	(100 days)	1512 hrs	(63 days)