

## Recommended Batteries for Aanderaa Recording Instruments.

This description will help the user of Aanderaa Recording Instruments to decide which battery to use in the different types of instruments. The decision depends on how much data is required to collect and for how long time. The following batteries are available from Aanderaa Instruments:

Part No:	Description (Nonmagnetic Batteries)	Capacity
3770	Internal Lithium Battery, 9V, for DCM 12	10-14 Ah depending on load
3382	Lithium Battery, 7.3V	10-14 Ah depending on load
3834	Rechargeable External Battery for DCM 12.	28Ah

Part No:	Description (Normal Batteries)	Capacity
3614	Alkaline Battery, 9V	12.5-15Ah
3677	Lithium Battery 7V	30Ah

The following tables will show the storage capacity for the different types of batteries available using Data Storage Units 2990 or 2990E. (Please be aware that the listed figures are nominal values. Safety margins must be calculated and added based on experience)

Recording Interval in minutes	RCM 7/8				WLR 7/8				TR 7/8 - DL 7 - CTR 7				RCM 9 Mk II (7 channels)					
	3382 Battery (10-14Ah)				3382 Battery (10-14Ah)				3382 Battery (10-14Ah)				3614 Alkaline Battery (12-15Ah)			3677 Battery(30Ah)		
	DSU 2990		DSU 2990E		DSU 2990		DSU 2990E		DSU 2990		DSU 2990E		DSU 2990		DSU 2990E		DSU 2990E	
	Days	Words	Days	Words	Days	Words	Days	Words	Days	Words	Days	Words	Days	Words	Days	Words	Days	Words
0.5	3.8	65.500	15	262.100														
1	7.5	65.500	30	262.100	9	65.500	36	262.100	3.8	65.500	15	262.100	7	65.500	10	100.866	24	242.070
2	15	65.500	60	262.100	18	65.500	73	262.100	7.5	65.500	30	262.100	13	65.500	20	100.926	47	237.168
5	37	65.500	151	262.100	45	65.500	181	262.100	19	65.500	75	262.100	33	65.500	48	97.062	115	232.536
10	75	65.500	215	187.056	90	65.500	343	249.024	38	65.500	152	262.100	65	65.500	92	93.294	220	223.086
20	150	65.500	390	170.826	178	65.500	589	215.580	75	65.500	300	262.100	129	65.500	170	86.706	395	201.456
30	223	65.500	535	157.296	267	65.500	774	190.410	118	65.500	450	262.100	192	65.500	235	80.376	540	184.686
60	437	65.500	851	127.656	520	65.500	1128	142.134	222	65.500	890	262.100	370	64.386	370	64.386	850	147.906
120	840	65.500	1016	79.254	993	65.500	1465	96.696	437	65.500	1747	262.100	530	47.706	530	47.706	1200	108.006

DCM 12								
Recording Interval in minutes	This table valid when two 3834 External Batteries are used on the DCM 12							
	Depth setting 1 and 2				Depth setting 3			
	DSU 2990		DSU 2990E		DSU 2990		DSU 2990E	
	Days	Words	Days	Words	Days	Words	Days	Words
3	9.1	65,500	36.4	262,100	9.1	65,500	33	237,804
6	18.2	65,500	50	180,306	18.2	65,500	33	119,004
10	30.3	65,500	50	108,306	30.3	65,500	33	71,484
20	60.4	65,500	95	103,176	60.4	65,500	65	70,596
30	90.3	65,500	136	98,742	90.3	65,500	94	68,250
60	179	65,500	240	87,846	173	63,324	173	63,324
120	356	65,500	388	72,174	296	55,062	296	55,062

RCM 11 (7 channels)						
Recording Interval in minutes	3614 Alkaline Battery (12.5 -15Ah)			3677 Battery (30Ah)		
	DSU 2990		DSU 2990E	DSU 2990E		DSU 2990E
	Days	Words	Days	Words	Days	Words
1	7	65.500	10	100.866	24	242.070
2	13	65.500	20	100.926	48	242.214
5	33	65.500	49	99.084	118	238.602
10	65	65.500	95	96.336	226	229.170
20	129	65.500	174	88.746	405	206.556
30	192	65.500	240	82.086	550	188.106
60	370	64.386	370	64.386	865	150.516
120	535	48.156	535	48.156	1220	109.806

WTR 9 (7channels)	
3614 Alkaline battery	
Recording Interval in Hours	Months
0.5	3.9
1	7.7
2	14.5
3	20.7
6	35.5