



Note:

When use following tables to estimate battery life, the efficiency of battery should be considered as:

- Sampling rate = 1 – 10, battery efficiency is 75%
- Sampling rate = 11 – 20, battery efficiency is 70%
- Sampling rate = 21 – 30, battery efficiency is 65%
- Sampling rate = 31 – 40, battery efficiency is 60%
- Sampling rate = 41 – 60, battery efficiency is 55%

For example:

The life time = 63 days @ 1s sampling rate for single C 180C battery,

The real life time = $63 \times 75\% = 47$ (days)

**Pioneer Petrotech Services Inc.**

#1, 1431 – 40 Ave. NE, Calgary, AB, Canada, T2E 8N6

Tel: (403)282-7669, Fax: (403)282-0509

1. PPS25 Gauge (GM9C2 V3.0)**177°C**

- Operating current: 3.3mA
- Idle current: 1.3mA

Battery AA 180°C (1.2Ah)

Sampling Rate (s)	mAs / sample	Total Points	Hours	Days	Note
1	3.3	1,309,000	364	15	
5	10.5	411,400	571	24	
10	17.0	254,100	706	29	
15	23.5	183,800	766	32	
20	30.0	144,000	800	33	
30	43.0	100,400	837	35	
60	82.0	52,600	878	37	

Battery C 180°C (5.0Ah)

Sampling Rate (s)	mAs / sample	Total Points	Hours	Days	Note
1	3.3	5,454,500	1515	63	
5	10.5	1,714,200	2381	99	
10	17.0	1,058,800	2941	123	
15	23.5	765,900	3191	133	
20	30.0	600,000	3333	139	
30	43.0	418,600	3488	145	
60	82.0	219,500	3659	152	



Pioneer Petrotech Services Inc.

#1, 1431 – 40 Ave. NE, Calgary, AB, Canada, T2E 8N6
Tel: (403)282-7669, Fax: (403)282-0509

Single CC Battery 180°C (11Ah)

Sampling Rate (s)	mAs / sample	Total Points	Hours	Days	Note
1	3.3	12,000,000	3333	139	
5	10.5	3,771,400	5238	218	
10	17.0	2,329,400	6471	270	
15	23.5	1,685,100	7021	293	
20	30.0	1,320,000	7333	306	
30	43.0	920,900	7674	320	
60	82.0	482,900	8049	335	