

2000 2

10

- (1) 가 $\pm 0.05\%$ of Full Scale , 가 $0 \sim 100^\circ\text{C}$
 , ADC 가 $0 \sim 5\text{V}$. , 0V 0°C ,
 5V 100°C . ADC bit ,
가? ,
가 . ,
가 .
- (2) 가 $10 \sim 1000\text{Hz}$.
 . 40dB
- (3) “ -> -> ”
 ,
- (4) 가 . 3 ,
가 .
- (5) - 가
 , motion artifact 가
- (6) 12-lead ,

가

(7)

(8)

3 가

(9)

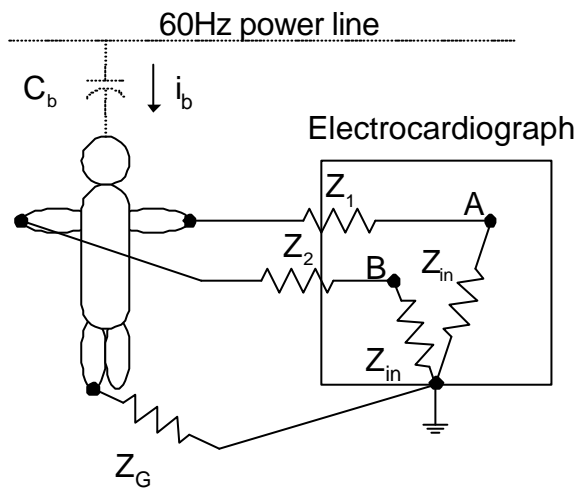
$$i_b = 0.4\mu\text{A}, Z_G = 200\text{k}\Omega, Z_{in} = 5\text{M}\Omega, Z_1 = 100\text{k}\Omega, Z_2 = 130\text{k}\Omega$$

differential mode gain 1000

60Hz

$$V_{dm} = v_A - v_B$$

60Hz



(10)

EMG

op amp

dc offset

$\pm 10\text{mV}$

dc offset

$\pm 10\text{mV}$

가

$\pm 500\mu\text{V}$,

$\pm 12\text{V}$,

10000,

10 ~ 1000Hz,

dc offset

$\pm 300\text{mV}$, op amp

$\pm 10\text{V}$, op amp

10MHz