



- switch
- 
- 2nV/√ Hz  120dB
- SDS800XHD
- /
- AI

# switch

https://www.bilibili.com/video/BV16M411X79n/?share\_source=copy\_web

switch <https://docs.qq.com/doc/DVVFMWXRLQ096RXVG>

V7 18.rar  
<https://pan.baidu.com/s/1RcmlxJ9z-9HnMFqvR2rmww?pwd=77h2>  
77h2  
APP

SWITCH (16).pdf



# https://www.msdmanuals.cn/home/children-s-health-issues/respiratory-disorders-in-infants-and-children/wheezing-in-infants-and-young-children

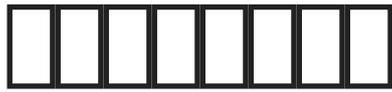
呼吸音减弱或消失 (肺部 )  
 呼吸音减弱或消失  
 呼吸音减弱或消失  
 呼吸音减弱或消失

呼吸音减弱或消失 <6  
 呼吸音减弱或消失 1<sup>[4]</sup>  
 呼吸音减弱或消失 40 /min 60  
 呼吸音减弱或消失 70 /min 呼吸音减弱或消失 呼吸音减弱或消失  
 呼吸音减弱或消失 92% 呼吸音减弱或消失  
 呼吸音减弱或消失 呼吸音减弱或消失 >180 200  
 /min  
 呼吸音减弱或消失 X  
 呼吸音减弱或消失 PICU  
 呼吸音减弱或消失 PICU  
 呼吸音减弱或消失 40-44 /min 呼吸音减弱或消失 30 /  
 呼吸音减弱或消失 1-3 24 /min 4-7 22 /min 8-14 20 /  
 呼吸音减弱或消失  
 呼吸音减弱或消失 60 /  
 呼吸音减弱或消失 50 /min 呼吸音减弱或消失 1-5 呼吸音减弱或消失 40  
 呼吸音减弱或消失 /min 呼吸音减弱或消失 30 /min

- 呼吸音减弱或消失 (肺部 ) 呼吸音减弱或消失
- 呼吸音减弱或消失
- 呼吸音减弱或消失
- 呼吸音减弱或消失 10



- **0-1** 30-60 /
- **1-12** 30-60 /
- **1-2** 24-40 /
- **3-5** 22-34 /
- **6-12** 18-30 /
- **13-18** 12-16 /
- **18** 12-20 /



2nV/ $\sqrt{\text{Hz}}$



120dB



<https://www.analog.com/en/resources/app-notes/an-159.html>

[an-159.pdf](#)

[AN159\\_Layout\\_Files.zip](#)

<https://www.analog.com/cn/resources/app-notes/an-940.html>

- <https://www.emoe.xyz/precision-circuits-hardware-design-guide/>
- EmoeNAP <https://rd.emoe.xyz/projects/EmoeNAP/emoenap.html#%E5%BA%95%E5%99%AA%E6%B5%8B%E8%AF%95>
- <https://www.emoe.xyz/noise-amplifier-step-further/>



# SDS800XHD



<https://www.eet-china.com/mp/a307681.html>

<https://blog.csdn.net/GLSWN8829/article/details/135455736>



1. IP
2. IP
3. SCPI
  1. "PRBD?" =>
  2. "MD5\_SRLN?" => SCOPEID
  3. "MD5\_PR?" =>
  4. SN
  5. python ID
  6. "MCBD?" => ID python ID
  7. "MCBD FHJB3P8M93MGSYAV" => MCBD 200M
  - 8.
  9. "PRBD?" =>

## python

```
# Keygen program for Siglent oscilloscopes
import hashlib

# MD5_SRLN? SCOPEID
# SCOPEID ID
SCOPEID = '01711d421d502545'

# SN
SN = 'SDS08A0Q809359'

# MD5_PR?
# Model "
Model = 'SDS800X-HD'
```



```

print('XXXXXXXXX          SCIPXXXXXXXXX      ')
for opt in bwopt:
    print('{:5} {}'.format(opt, gen(SCOPEID)))

print('-----')
print('XXXXXXXXX          UIXXXXXXXXX      ')
print('SDS800XHD-FG  XXXX  AWGXXX  ')
print('SDS800XHD-16LA XXXX  MSOXXX  ')
print('SDS800XHD-PA  XXXX  PWAXXX  ')
for opt in otheropt:
    print('{:5} {}'.format(opt, gen(SN)))

```

XXXXX

~/develop/witllm/unsuper master > python SDS804XHD.py

colin@deve

```

INFO: XXXXXXXXXXXX          !!!
XXXXX          SCIPXXXXXXXXX      "PRBD?" XXXX
XXXXX          SCIPXXXXXXXXX      "MCBD?" XXXXXX
XXXXXXXXXXXXXXXXX
INFO: XXXXXXXXXXXXXXXXXXXXXXXXXXXX          !!!
-----
XXXXXXXXX          SCIPXXXXXXXXX
70M  3Y35BBM8S2P6M75F
100M IRKBIJ522YX2PA9I
200M FHJB3P8M93MGSYAV
-----
XXXXXXXXX          UIXXXXXXXXX
SDS800XHD-FG  XXXX  AWGXXX
SDS800XHD-16LA XXXX  MSOXXX
SDS800XHD-PA  XXXX  PWAXXX
AWG  PGWGM3Y3PHY79UCA
MSO  PWRT8MV8FMWFPNMW
PWA  ZJKWUQ33MAPSPFIS

```











