

赫兹电力
HERTZ POWER





赫兹电力
HERTZ POWER



赫兹电力
HERTZ POWER

HZSP

1 1

HZSP

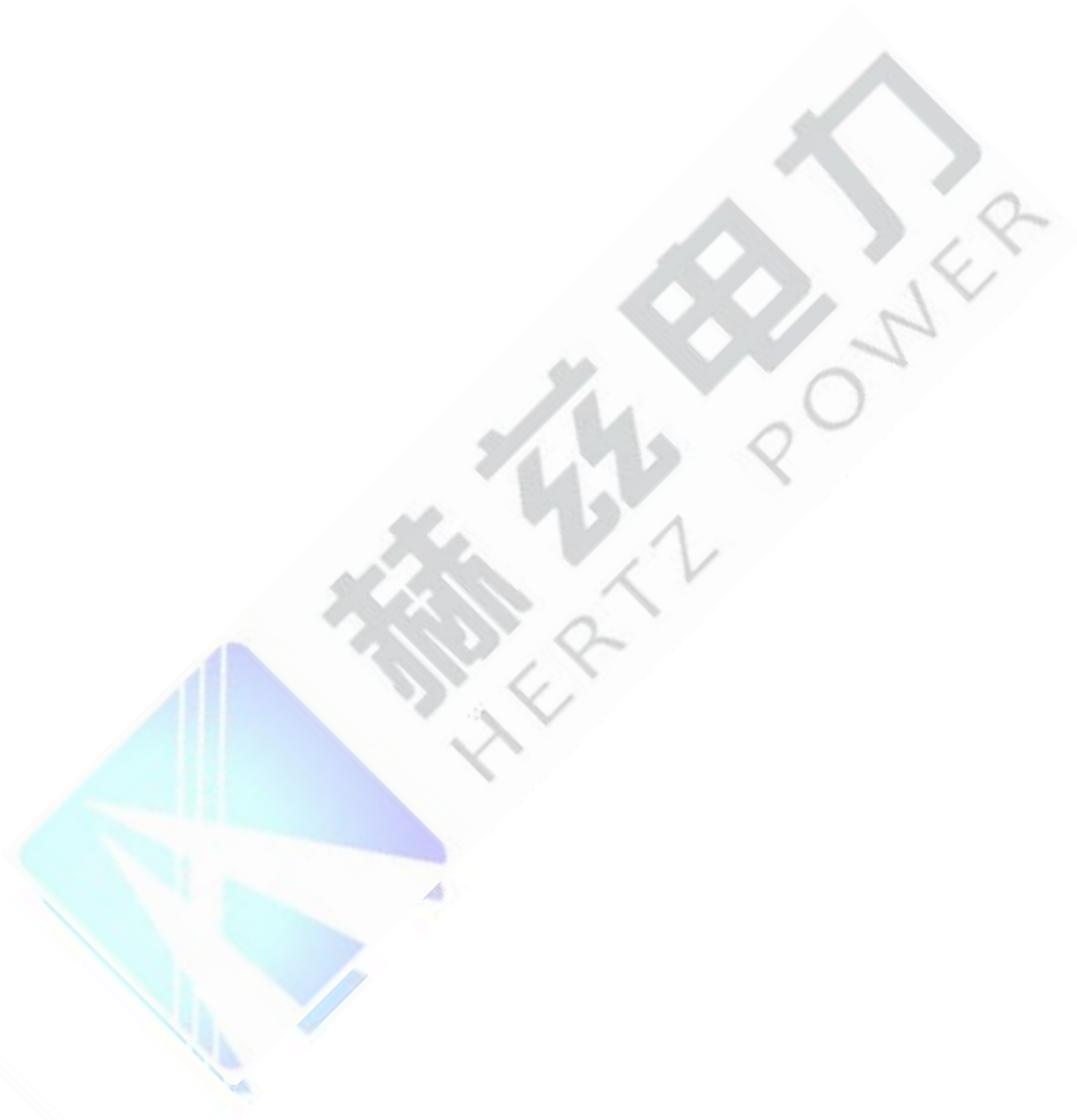
GB/T 17623-1998

GB/T 7252-2001

CO CO₂

TCD H₂ O₂(N₂)

i



FID TCD

/

24 AD

1 3 HZSP
HZSP

1 3 1
HZSP



赫兹电
HERTZ POWER



1.5 HZSP

128*64

6

4

450

1

s

p

$5 \times 10^{14} \text{A}$

$1 \times 10^{13} \text{A}/30 \text{min}$

10^6

450

TCD

S 4000mV·ml /mg() 1 2 4 8

$10 \mu \text{V}$

$30 \mu \text{V}/30 \text{min}$

1 4 HZSP

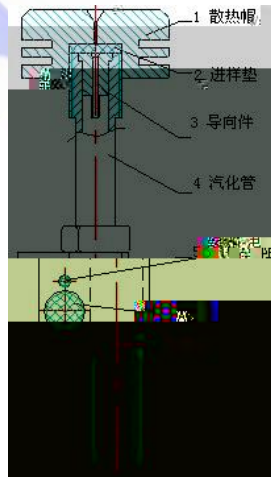
1 4 1

HZSP

1 4 2

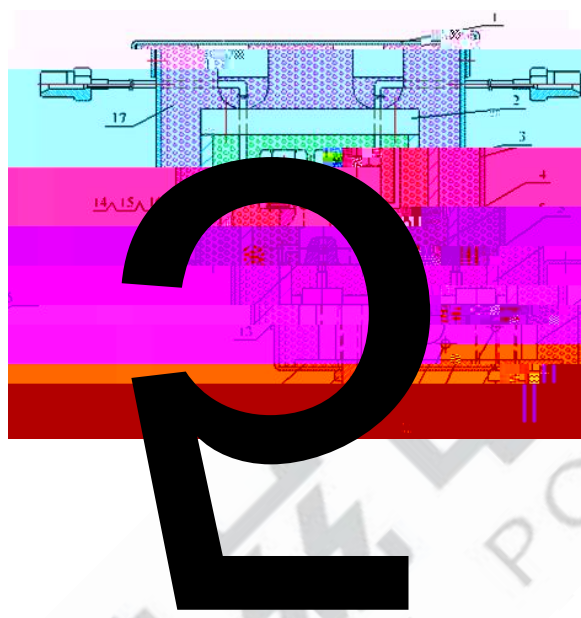
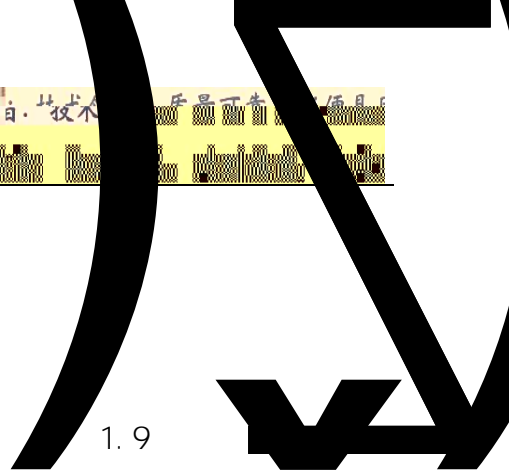
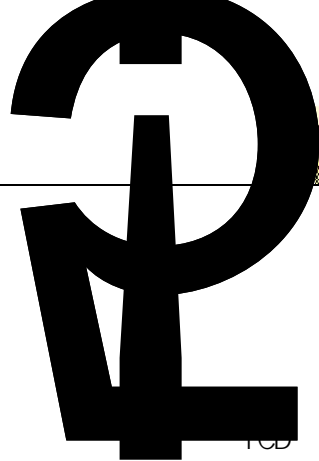
HZSP

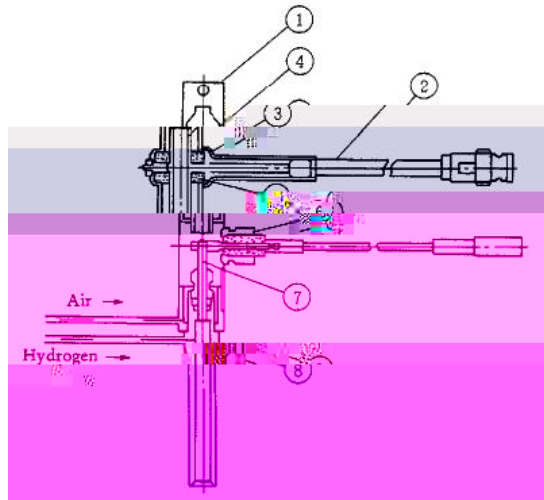
1.7



1. 7 HZSP

1. HZSP





1 2 3 4 5 6 7 8

1.10 FID

FID

FID

FID

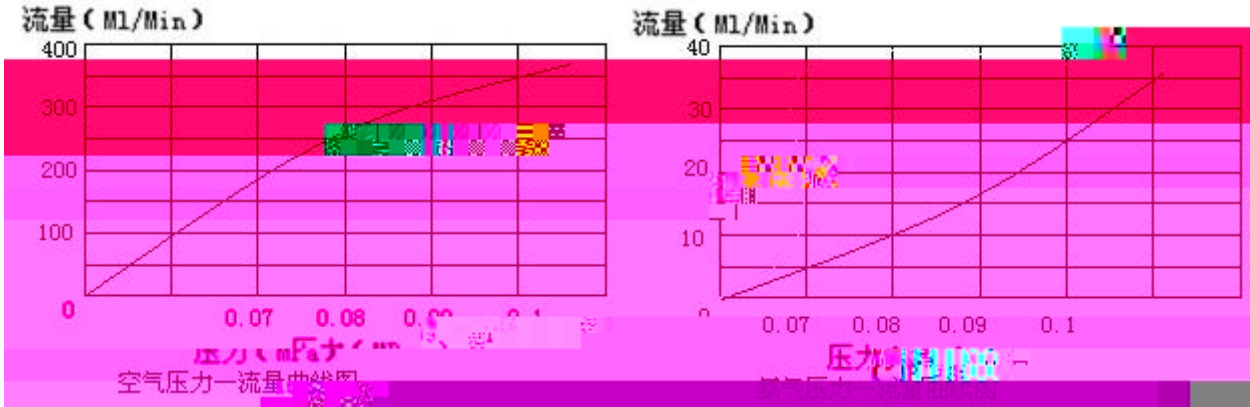
1



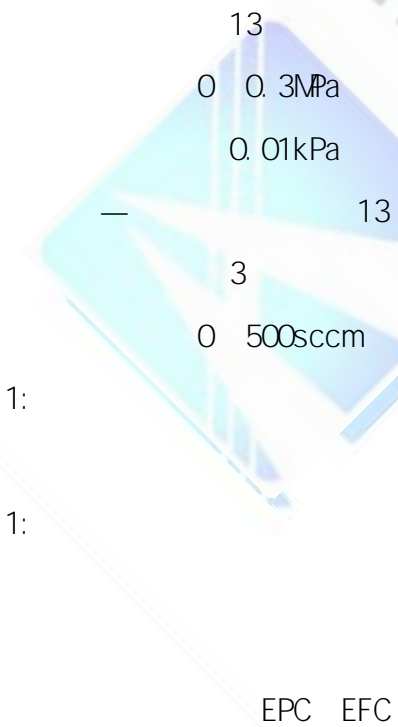
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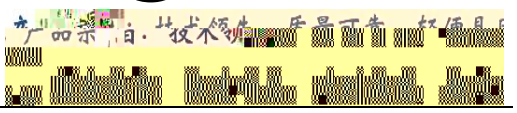
1 4 7



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HERTZ POWER

EPC EFC

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1 4 EPC EFC
EPC EFC
EPC EFC

24

EPC EFC

EPC EFC

0



0440

225

027-83267669

www.whezi.com

whezi@163.com

1 4 12 HZSP

RS232

2

5000

CAN

MODBUS

GPRS

3G

10/100M

5

-2.5V 2.5V

0.05μ V·s

225

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noe
% ⇒ w mμ V
10⁻⁷
± 0.005%
± 0.005%
20 /

1 5

1 5 1

HZSP

5 35 0 85%

HZSP

HZSP

30cm

30—40cm

HZSP

10/100M

HUB

1 5 2

m

v

HZSP

220V± 10% 50Hz± 0.5 Hz

2000W

HZSP

r

r

000M

U06

赫兹电力 HERTZ POWER

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2 1

“ ”

2 2

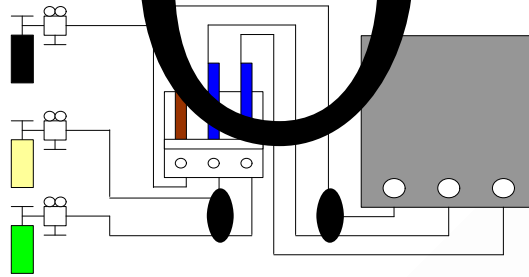
赫兹电力 HERTZ POWER

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E

S

2 2 3



2 1



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1.

2.



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HERTZ POWER



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" C:\NetChrom\ "

" "

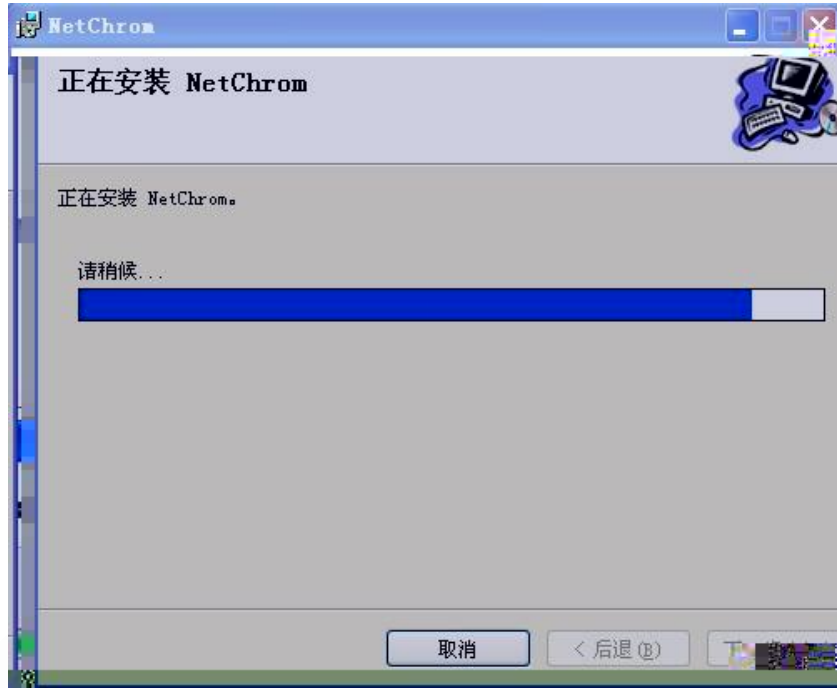
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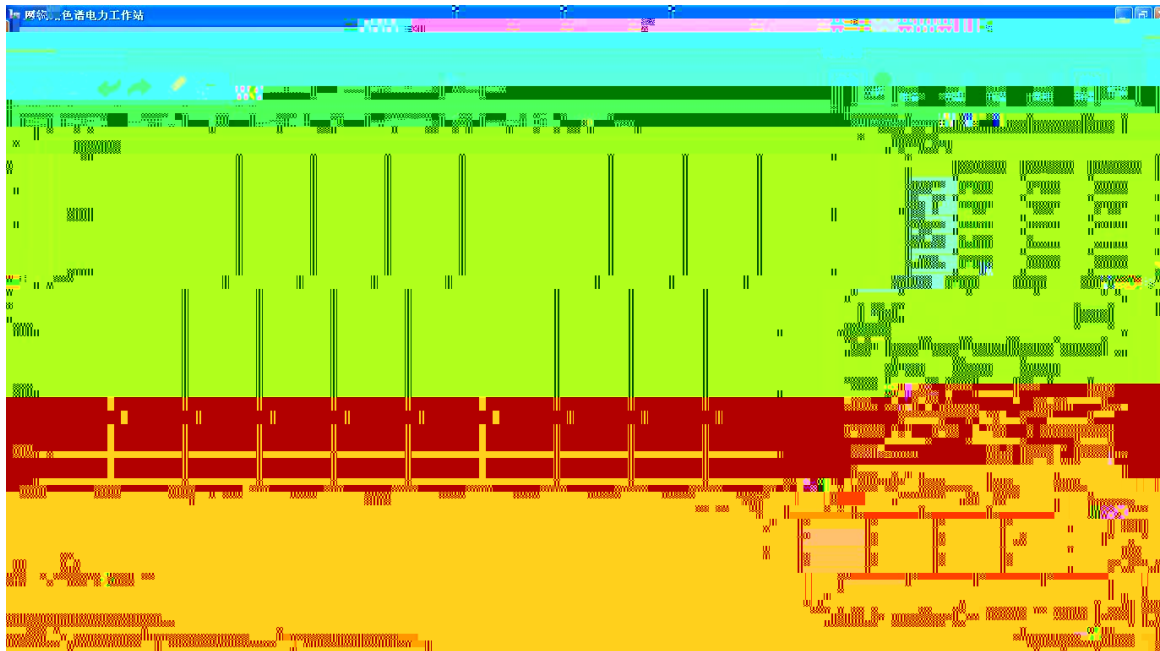
" "



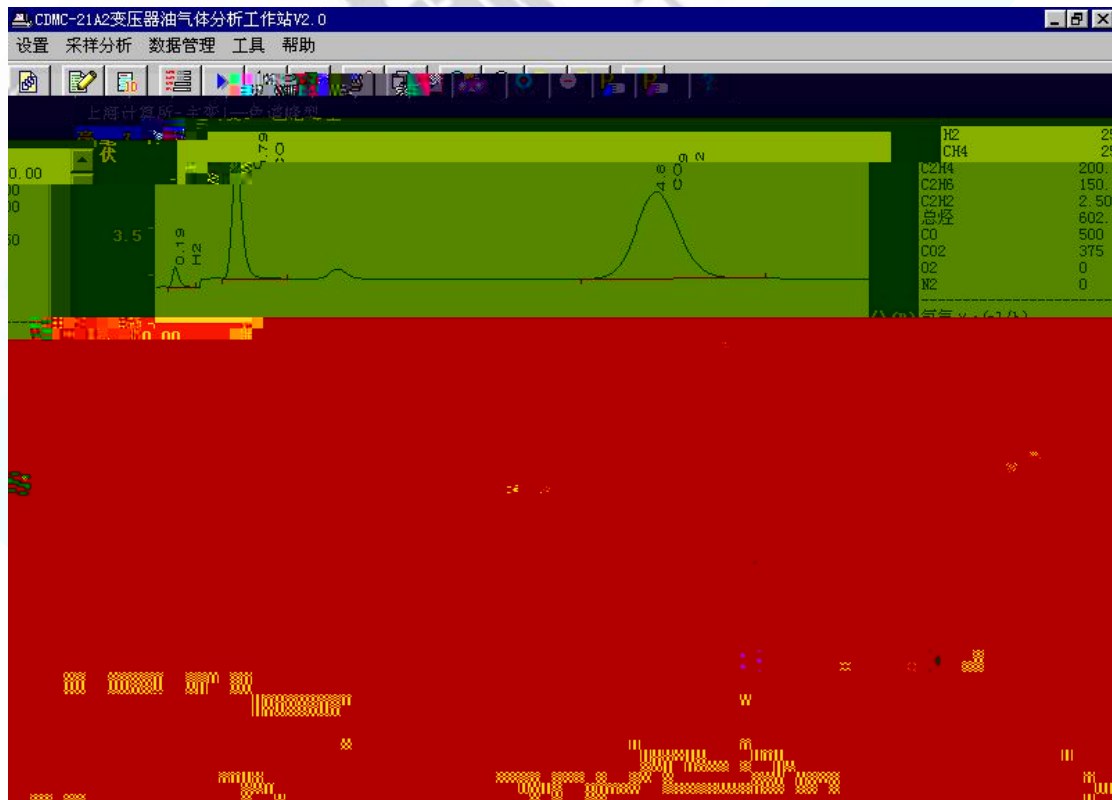
" "

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CDMC



2 4

IP IP IP IP

" DHCP" " DHCP" IP IP

2 4 1 " " " " IP

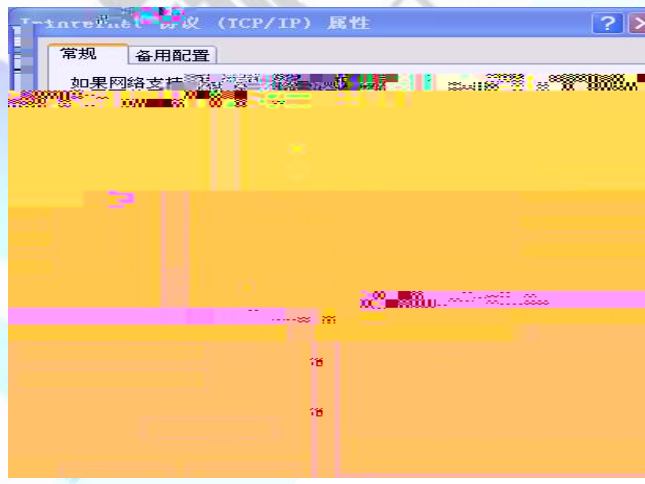
IP IP

" " " " " Internet TCP/IP "

" " " " " Internet TCP/IP "

" IP S " " IP | " " " "

" " IP " 192.168.0.2"





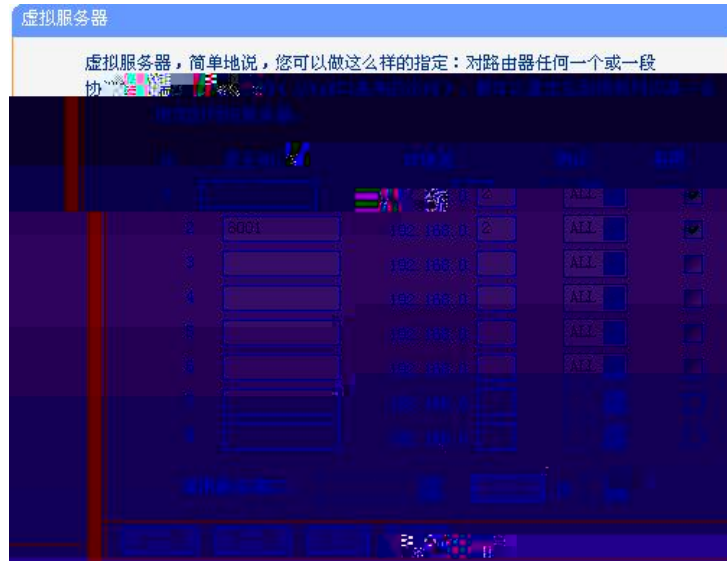
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NRBC



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IP
" 192.168.0.2"

IP

IP

IP
IP

2 4 4

"
"

ID

" HZSP

" HZSP

"

HZSP

3 1

HZSP 128*64



HZSP

HZSP

20

3



Stop

ACC





Set



Enter

12

" DEL" " ."

RUN

Ready

± 1

± 6

Onl i ne

confi g

Set

EPC

5

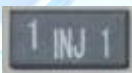
450

HZSP

29

3 1 1

A



A

a	120.0	120
	001.2	1.2
	030.0	030
	002.0	2.0

1

A



b



" 3.1.1

A

"

a b

a b

3 1 4

a



a

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8

" 3.1.1 A "

0

1

0

START

START

00.00

NO. 01

± 1

" STOP "

00.00

3 1 7

4 DET 1

5 DET 2

6 DET 3

a b c





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" "



Enter

Stop

2

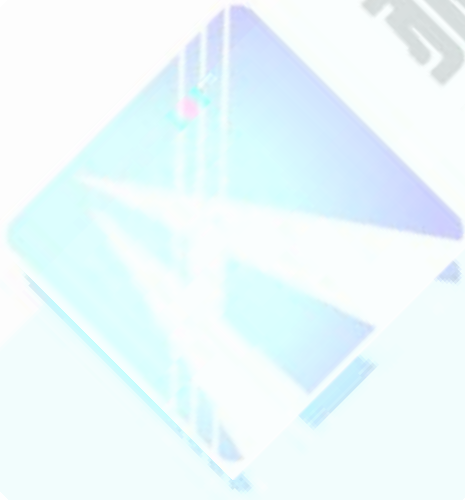
" "

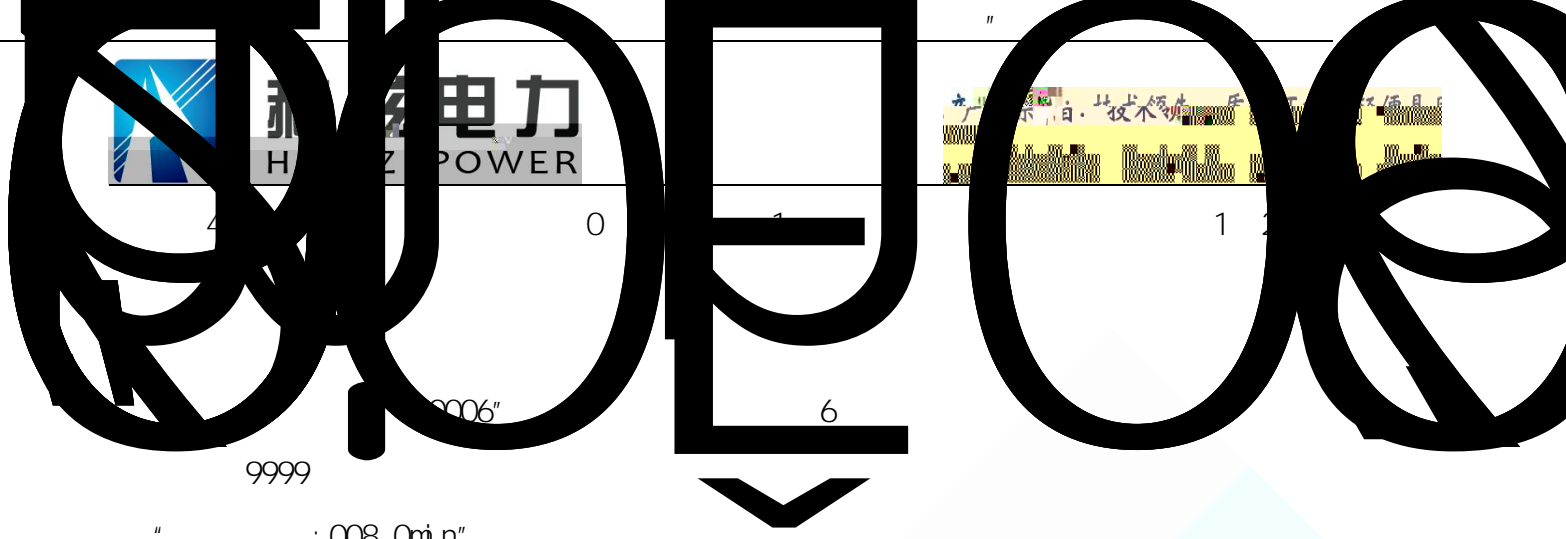
" " " "

" 3.1.1 A "

m'

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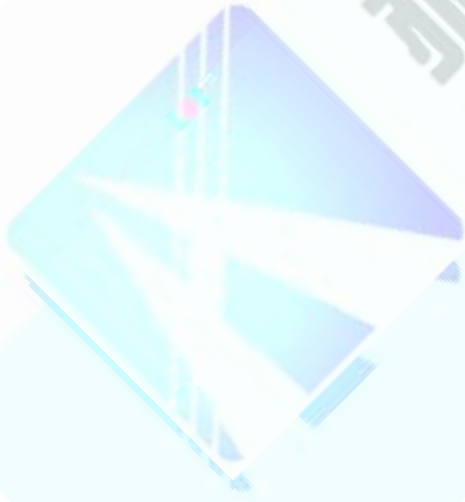


9999

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0

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:0

3 1 11

IP

ID

3 1 11 1

8 System

0002
0001
7
99min
14/03/08
12:00

" 3.1.1 A "

0-7

" " / / : :

99

5

FID 10-20uV

99

3 1 11 2



A:
B:
:

A:
B:
:

" 3.1.1 A "

" " DEL

3 1 11 3



⋮
⋮
⋮

" 3.1.1 A "

" " DEL



3 1 11 4 IP



IP
192.168.018.220
255.255.255.000
192.168.018.001

IP
192.168.018.200
192.168.018.199
192.168.018.198

"



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IP

" "

IP

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" " <--->

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3 1 11 5

ID



ID

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2sVer
A14. 03. 08. 01

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0-9

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FID FPD

3 1 11 6



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PROPOSED



50m
000. 0
000. 00
DEL STW.

HZSP

000. 00

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3 1 14 FID

FID

FID

FID



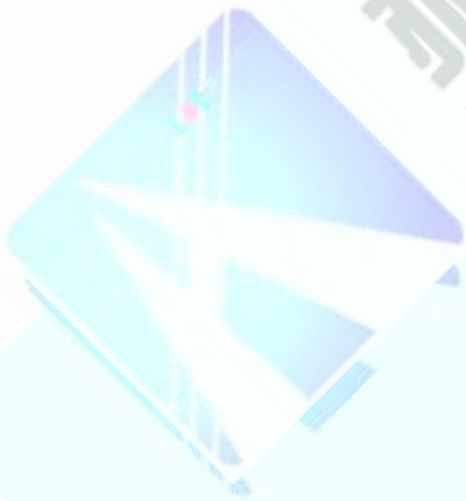
SET

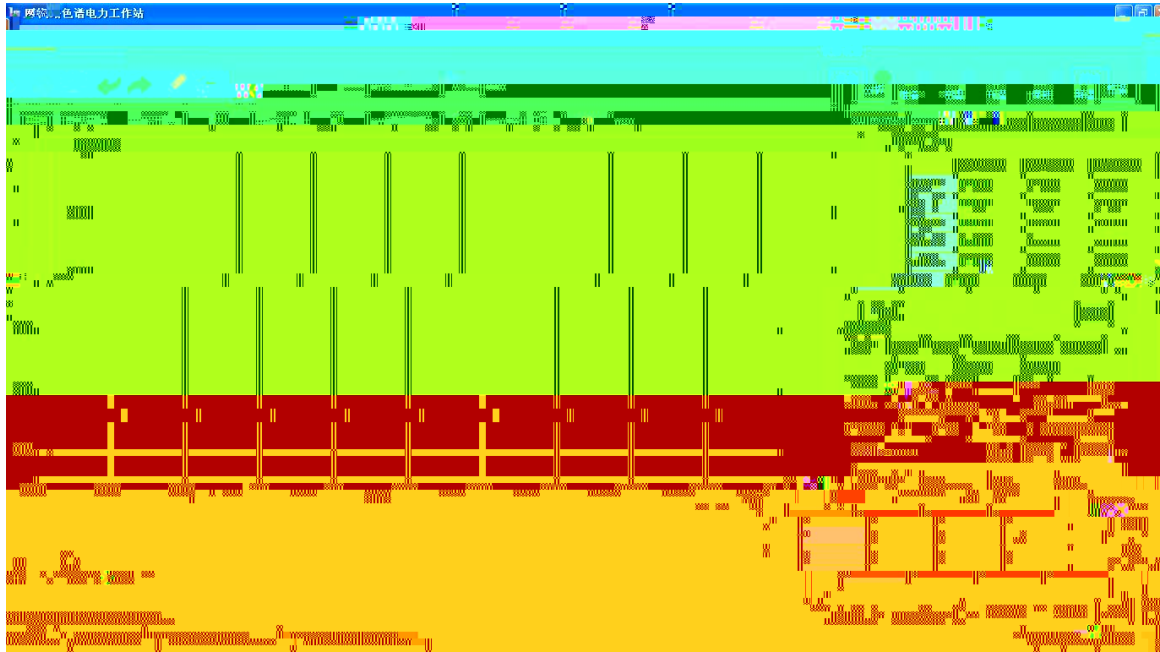
"

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150

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4 2

4 2 1 (F)

4 2 1 1

" "

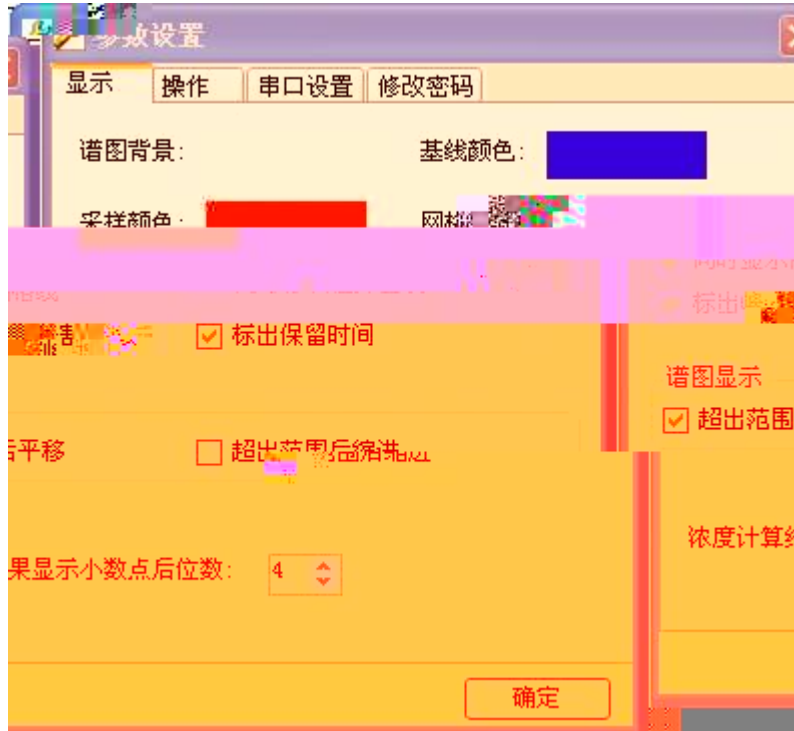


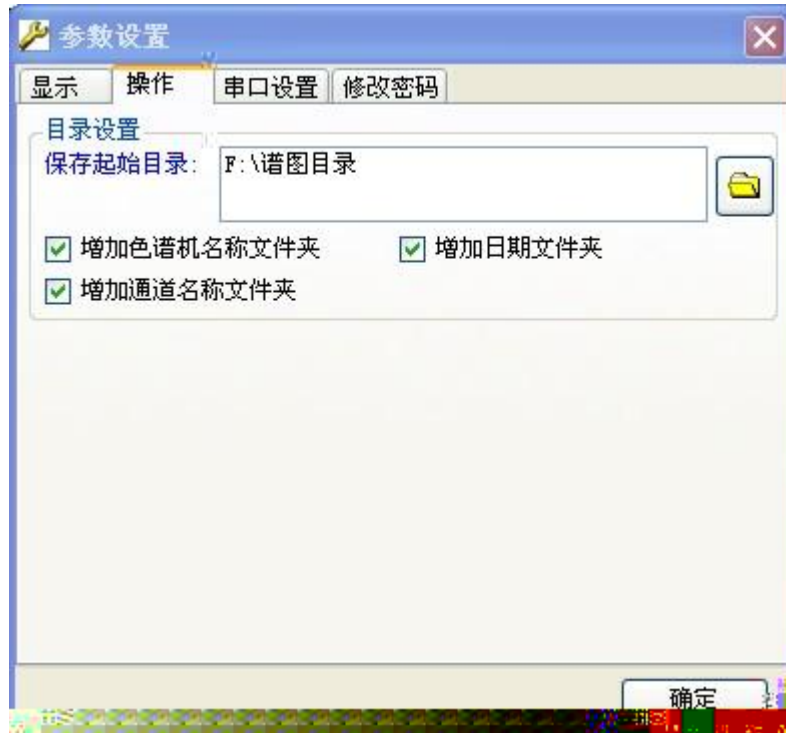
" "

4 2 2 S

4 2 2 1

" "





C



COM

GC



" n "

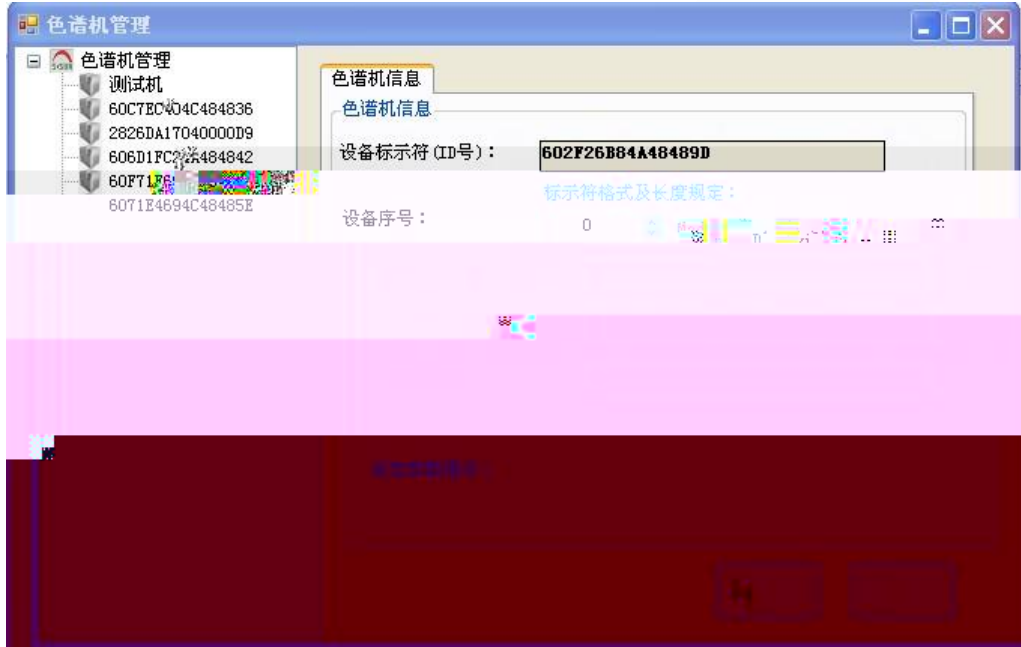


4 2 2 3

名称	中文	英文	使能
控区一	进样器	INJ	<input checked="" type="checkbox"/>
控区二	柱 炉	COL	<input checked="" type="checkbox"/>
控区三	检测器	DET	<input checked="" type="checkbox"/>
控区四	检测 2	DET2	<input checked="" type="checkbox"/>
控区五	辅助 1	AUX1	<input checked="" type="checkbox"/>

4 2 2 4

1 TCD 2 A B 3 2 3 FID 3 2



4 4 1

" ID " ID ID " "

3 1 8

"

"

1

1

1_FI D1_2008 12

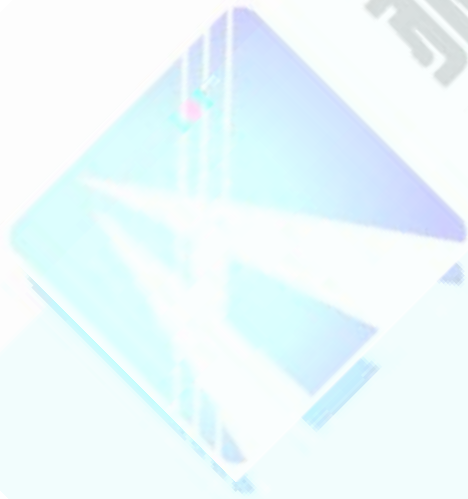
01 _8 58 58 .SDA

4 4 5 .

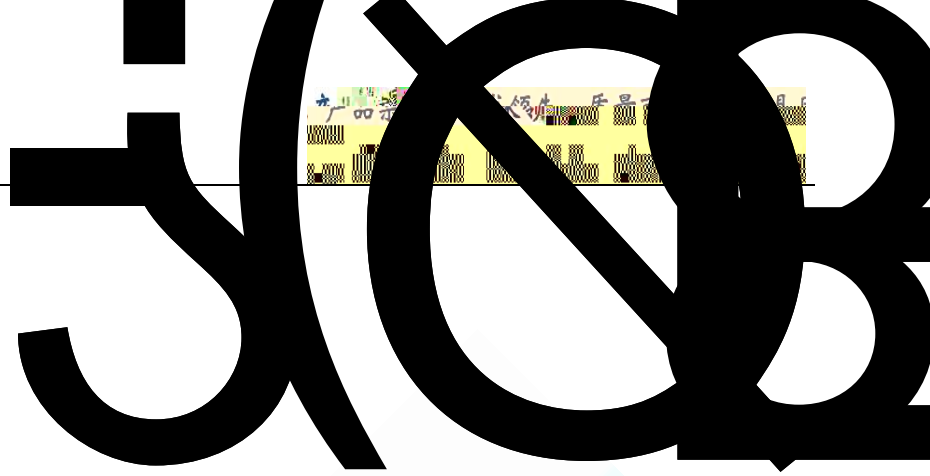
" "

4 5

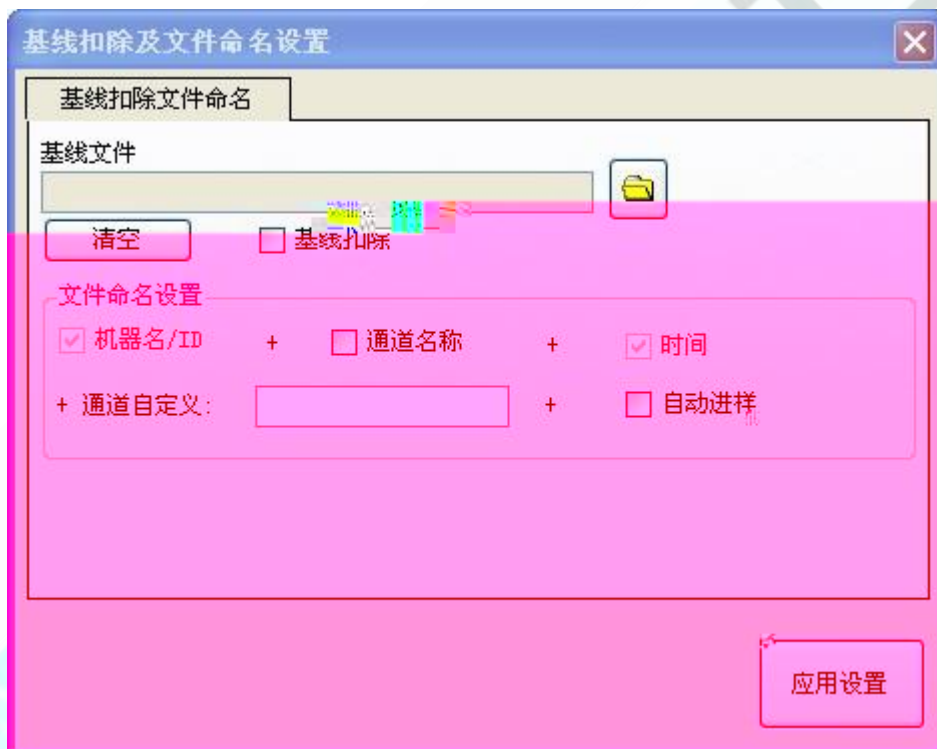
+,



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4 5 7



FI D1 TCD2



" "

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4 5 9

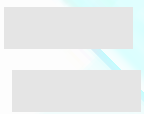


4 5 10





4 5 11



0

1

4 5 12



4 5 13



4 5 14



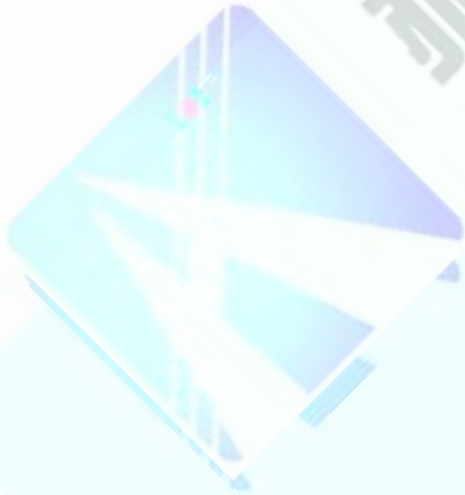
4.5 4.6

4 6

4 6 1



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6

450
20

450

4.2.2.3

PT100

4 6 2

流量控制

进样1 进样2 进样3 检测器1 检测器2 检测器3

载气 分流 吹扫

输入: KPa 输出: KPa sccm

模式: 压力 流量 流量 sccm

色谱柱: 0.1 0.045 m 气体: 氮气

分流比: * : 1 关 查询 设定

1

EFC

EFC

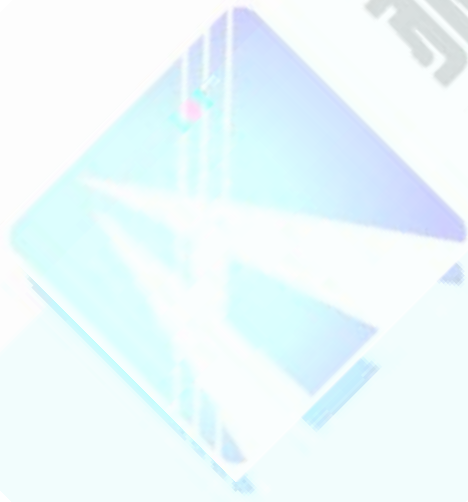
EFC

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温度/流量 程升/事件 进样器 网络/断水 消息

程升控制 初始时间:

阶号	升温速率	保持温度	保持时间
1	0	200	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0

查询 设定

事件控制

阶号	事件1 [min]	事件2 [min]	事件3 [min]	事件4 [min]
1		1.4	0	0

" "

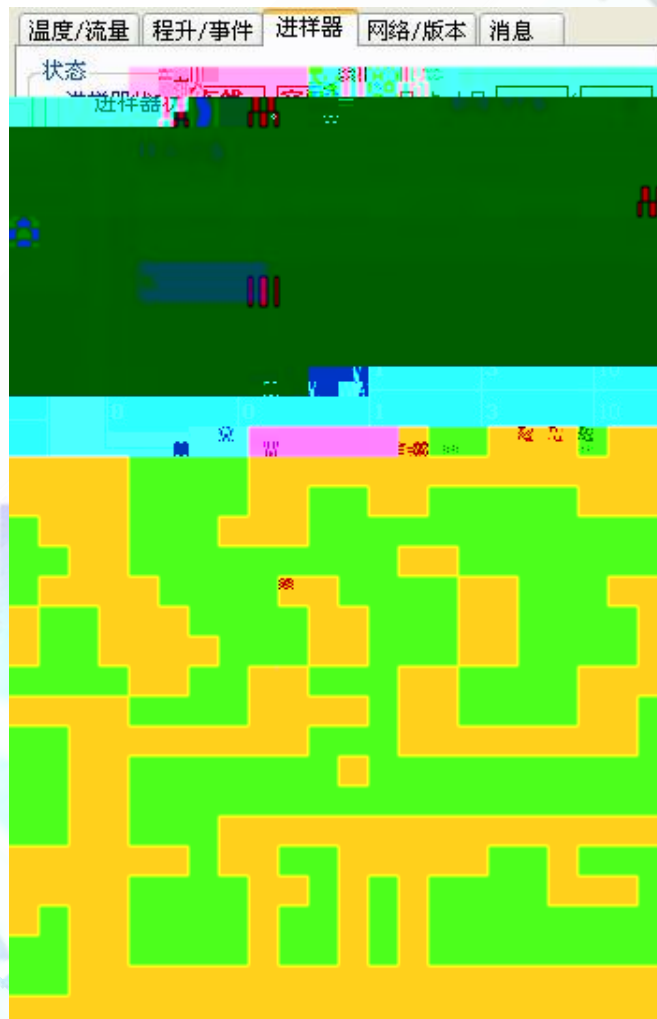


4 6 4

" "

AOC-20i

" " " "



" " " " " " " "

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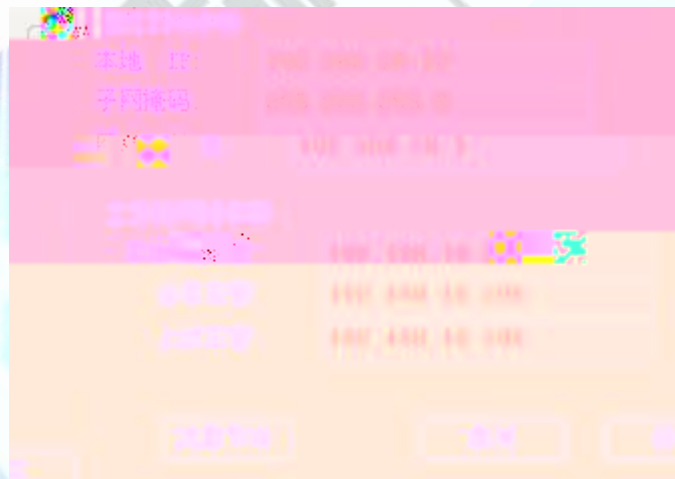
3

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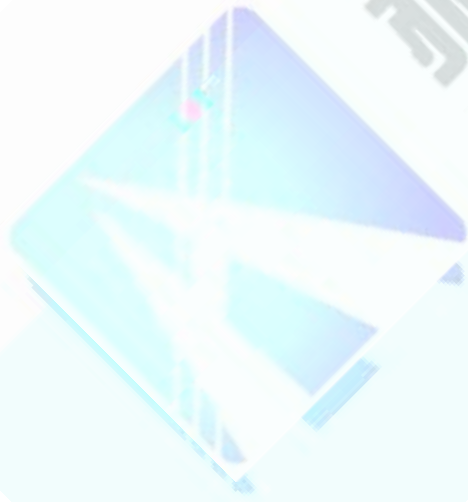


" "

" 3 1 8

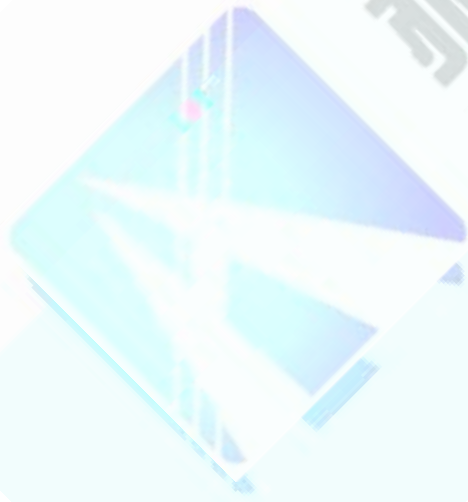
" " 2 4 1

"



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HERTZ POWER

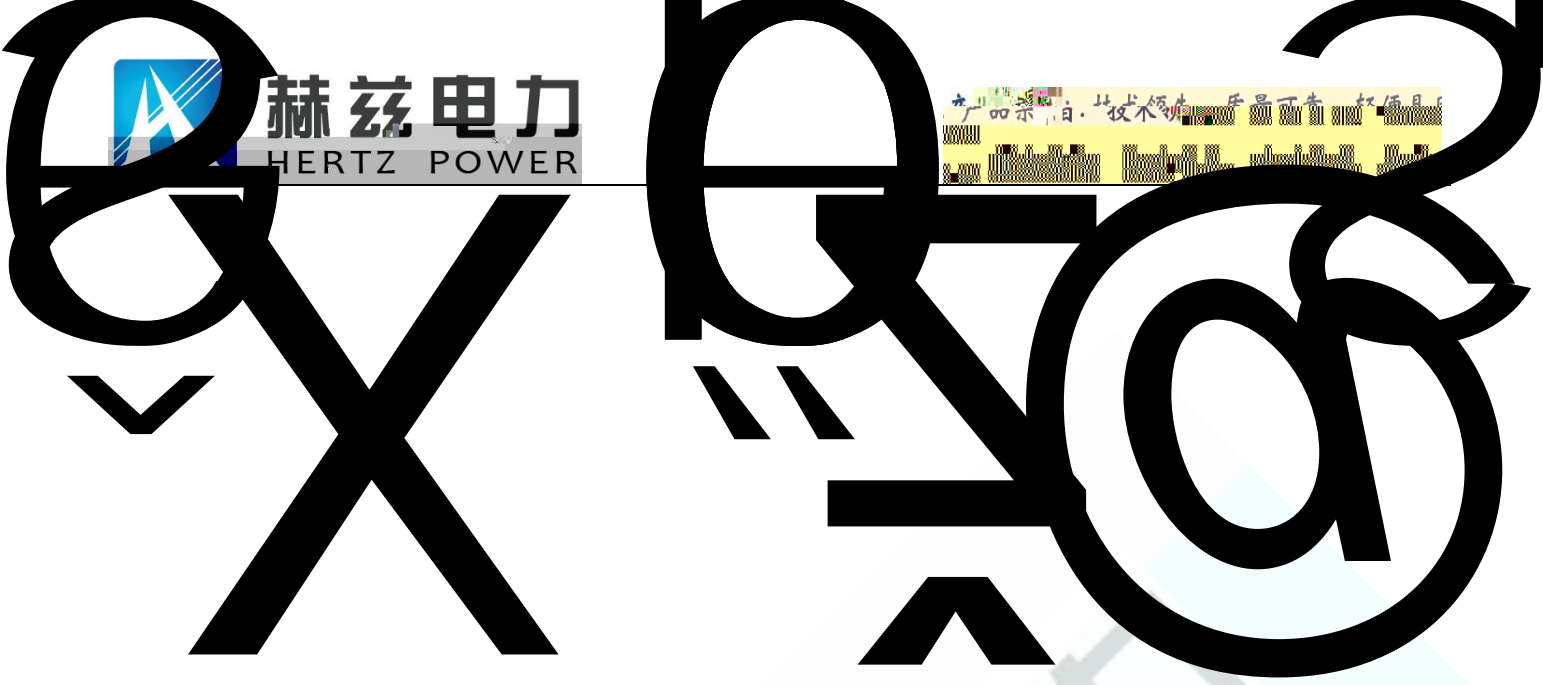
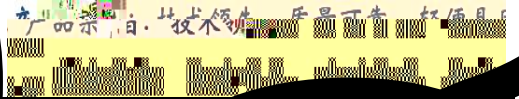


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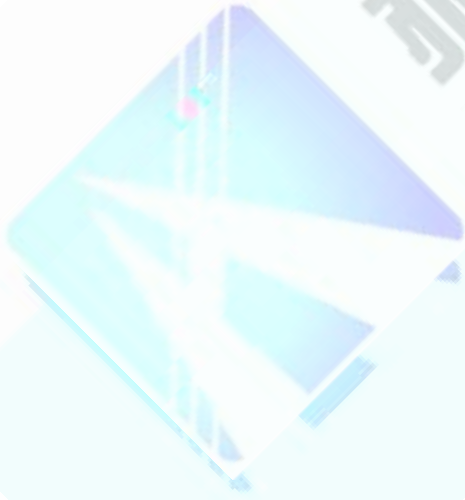
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HERTZ POWER





5 2

- W N9X
- W NDCMS
- 0. 006
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TD

5 3 1

Penti um II 233
32M
SVGA 800× 600
CD-ROM
Microsoft Windows 98/Me/NT/2000/XP

5 3 2

Windows

CDM



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CDMC-21

5



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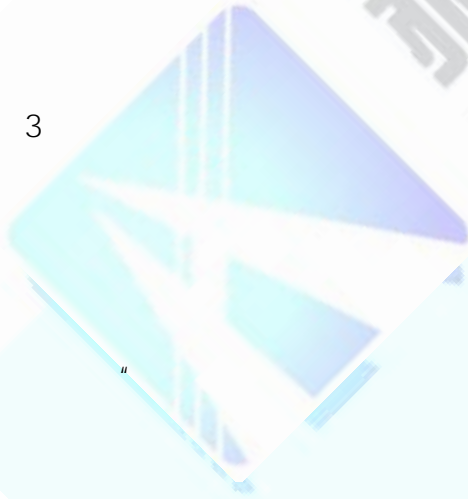


" / "

" CDMC-21 V3.0" " / "

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5 3 3

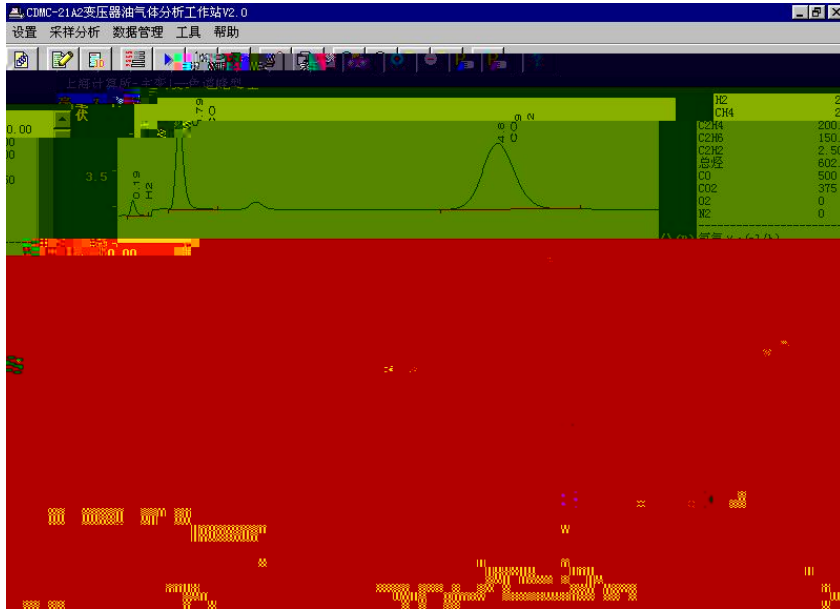


COM

COM2

" COM2"

5 4



5 4 1

" " " " " " " " " "

设置

- 使用单位及设备管理... 选择设备...
- 参数设置**
 - 色谱峰处理参数
 - ID表编辑
 - 时间程序
- 注意值设置...
- 三比值检索...
- 奥斯特瓦尔德系数...
- 屏显设置...
- 打印设置...
 - 结果报告打印
 - 附微水结果报告打印
 - 谱图报告打印
 - 调用模版打印
- 退出工作站

采样分析



工具

- 手工数据输入...
- 多设备的微水报告...

5 4 3

5 4 4



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CDMC-21

赫兹电力
HERTZ POWER







赫兹电力
HERTZ POWER



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ID " "

ID 6 ID

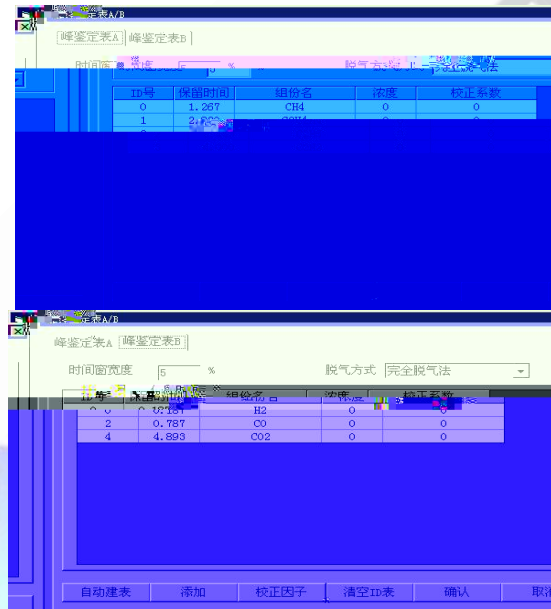
(4) ID

" ID " " " → " → ID " " A/B"

" A" " "

" " " B" A

B



(5)

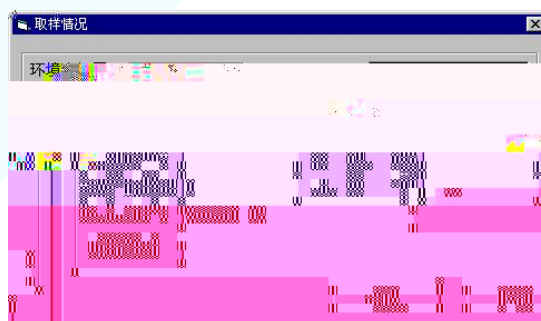
" " " " " "

" "

(6)

" " " " " "

" "





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~+1000mv

1mv

3.

A

" " " "
" "

5 5 2

1.

" → → " "
" " " "



" → → "

A B



2.

ID

ID

ID

ID

ID

3.

ID

→ ID

A/B"

A B

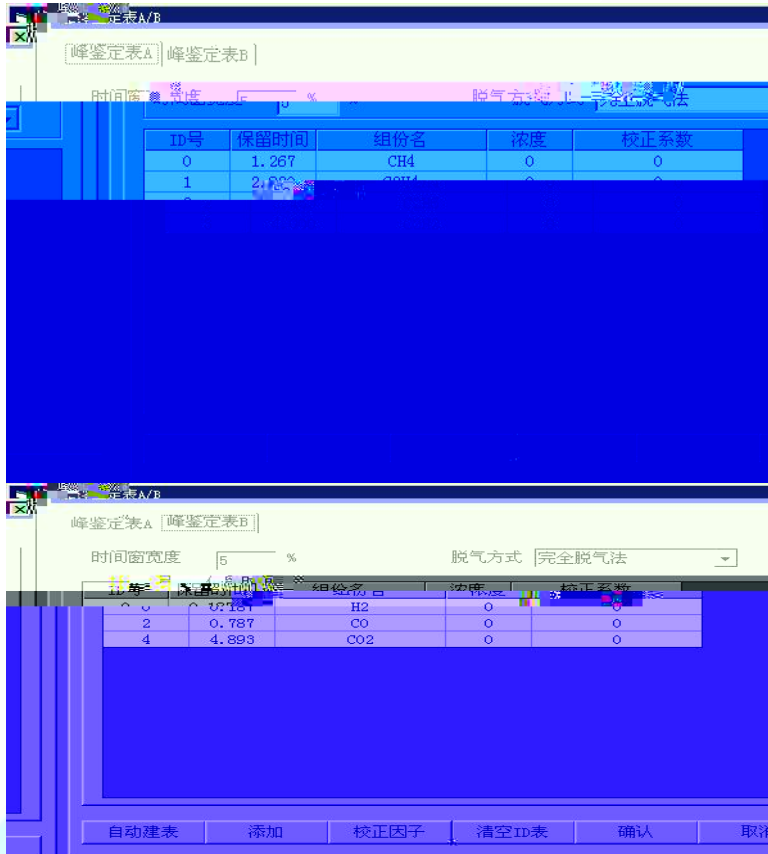
A

A

B

B

" " ID
" " ID ID
" ID " ID
ID



4.

" " → " " " Ctrl "

" " " " ID " "

多次校正平均

氢气	一氧化碳	二氧化碳	甲烷	乙烯	乙烷	乙炔	氧气
0.00052	0.01438	0.02203	0.00000	0.00003	0.00044	0.00014	
0.00052	0.01438	0.02203	0.00000	0.00003	0.00044	0.00014	0.00000
0.00052	0.01438	0.02203	0.00000	0.00003	0.00044	0.00014	0.00000



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7.



(1)

" "

0

m



1

2

(2)



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" m



INC

10.

“ ” → “ ”

赫兹电力
HERTZ POWER

5 6 3

" " → " "

" → " "

" Delete "

" "

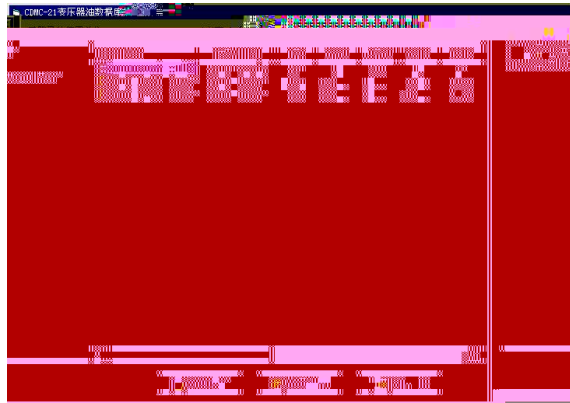
" → "

5 6 4

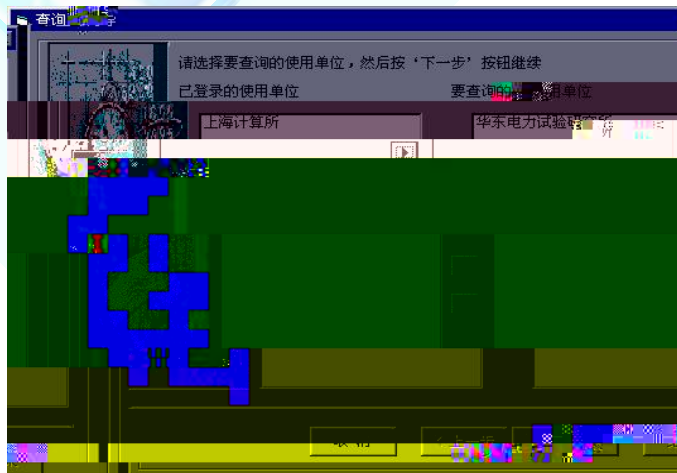
< r

" → "

" "



“ ”



" "

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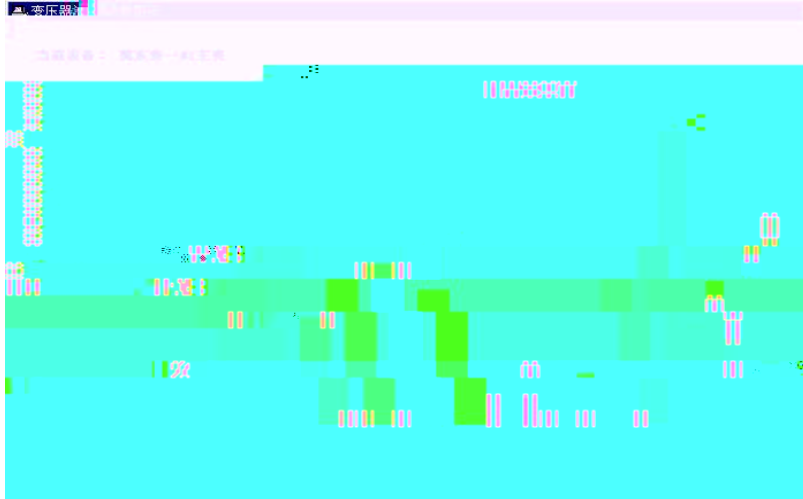


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A

6 8

“ ” “ ” “ ” “ ”

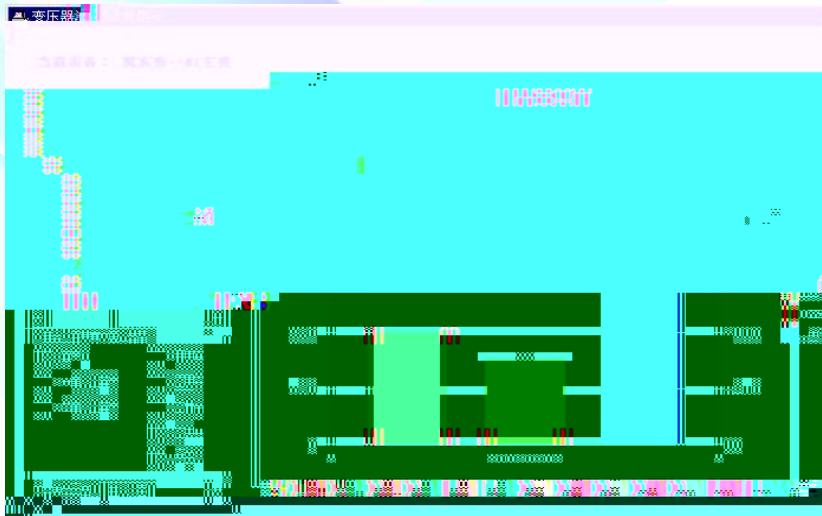


●

“ ”

●

☺





" "

" "

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H2



赫兹电力
HERTZ POWER





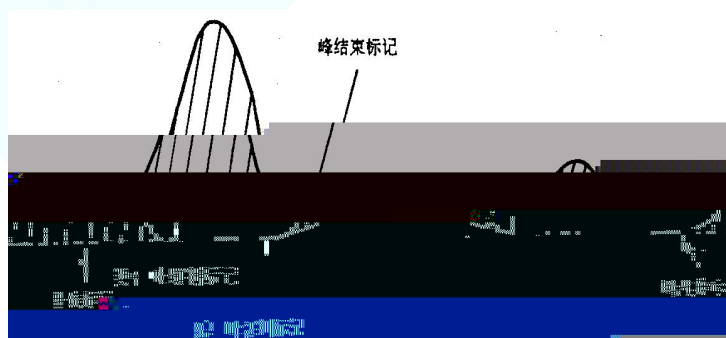
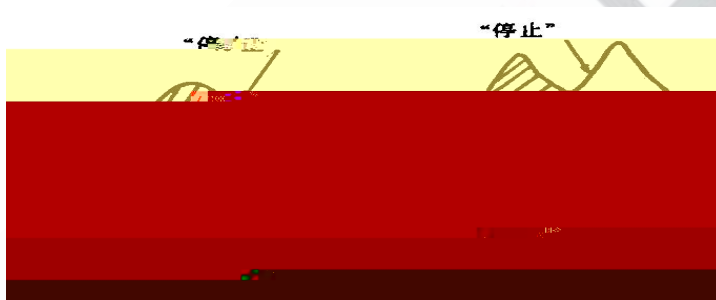
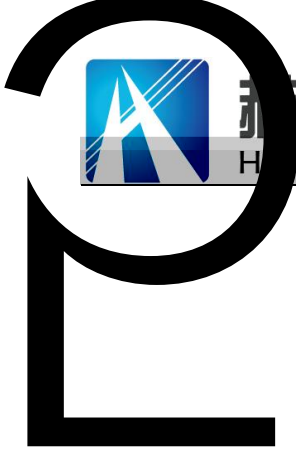
赫兹电力
HERTZ POWER



OMM

赫兹电力
HERTZ POWER





2

" I "

" N "

" T "

" MM "

" B "

" V "

" B "

" V "

" T "

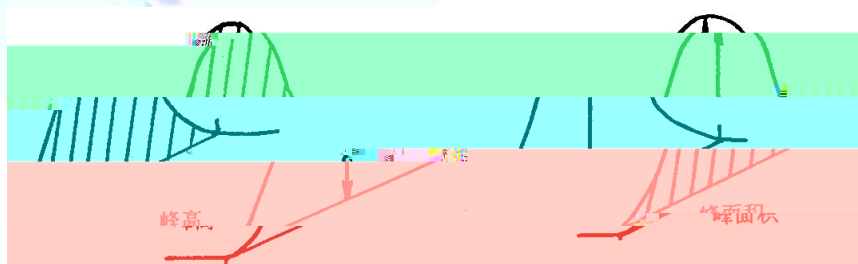
3

CDMC- 21

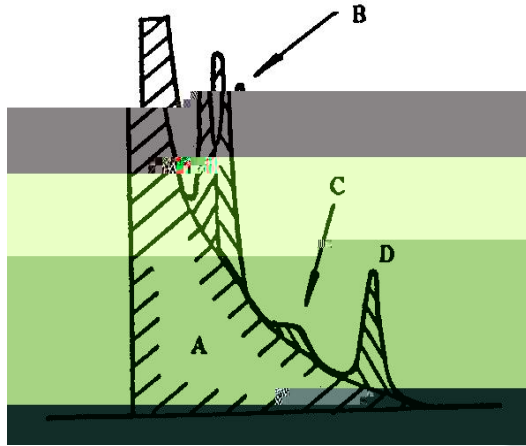
()

CDMC- 21

()



CDMC-21



2

B

C D

A

CDMC-21

5. 2. 4. 2

CDMC-21

5 7 3

ID

ID

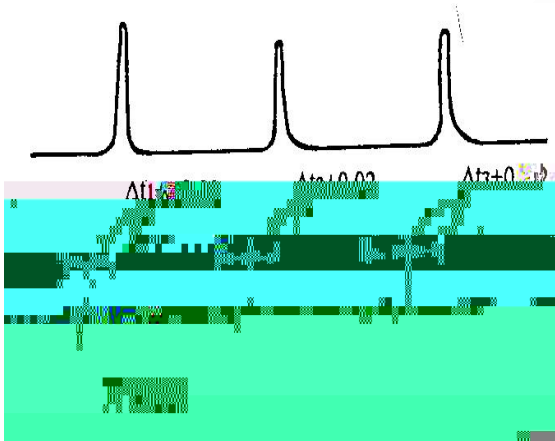
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ID

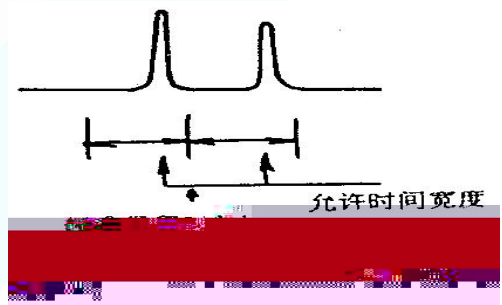
ID

IS

TIME WINDOW



* % +0.02



2

2

ID

(a) , ID

(b)

B

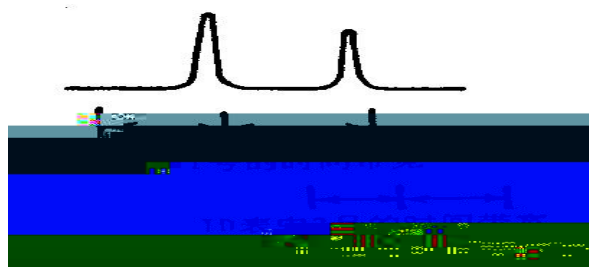
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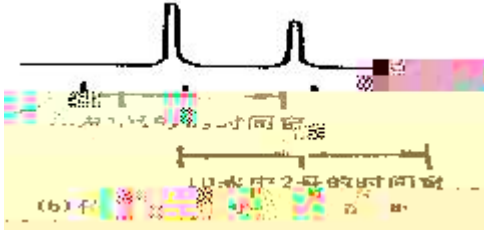
1

2

B

1





ID

B ID 1 2

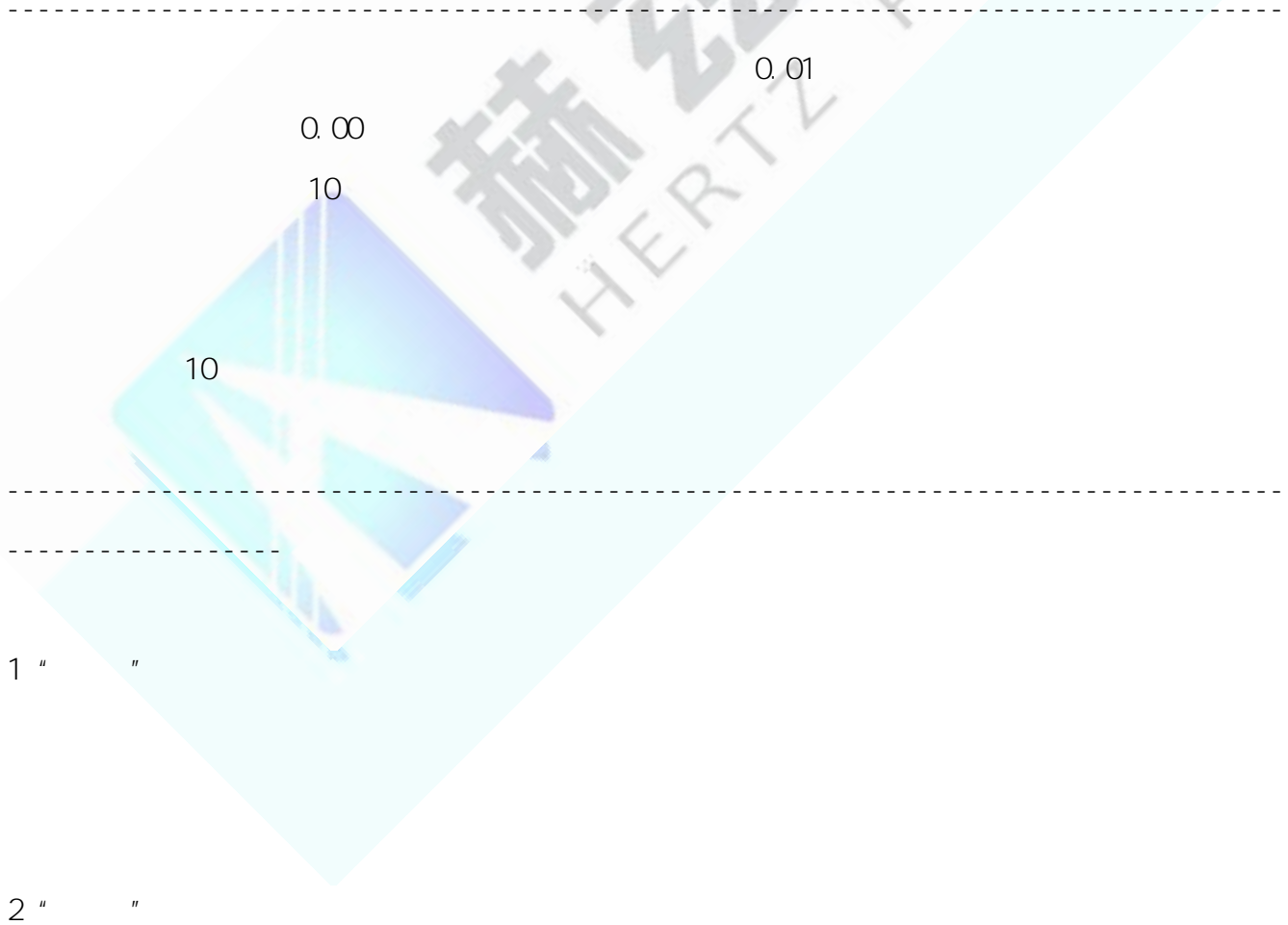
2

B ID

2

5 7 4

赫兹电力
HERTZ POWER



3 " "

4 " "

5 " "

6 " "

ON OFF





7 " "

ON OFF

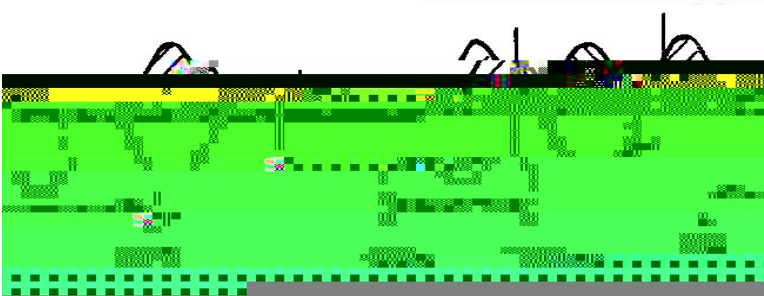
ON OFF



8 " "

ON OFF

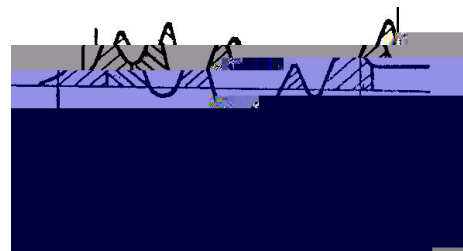
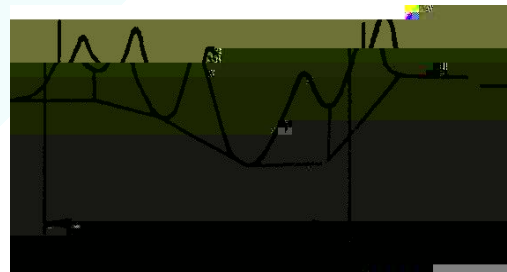
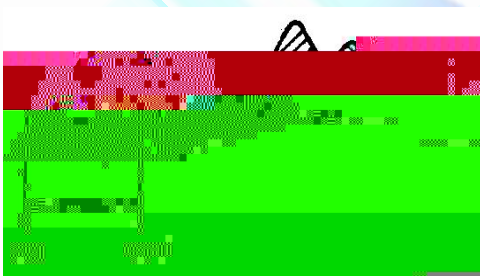
ON OFF



9 " "

ON OFF

ON OFF



赫兹电力
HERTZ POWER



6 1

6 2

FID

6 3

6 3 1

(50mm)

(4mm)

6.1

6.1



赫兹电力
HERTZ POWER



赫兹电力
HERTZ POWER

6.2 :

6 4

260

24

5A

5A

6 5

260

24

5A

5A

7 1

7 1 1

7 1 2

IP	IP
	IP



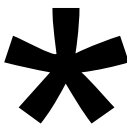
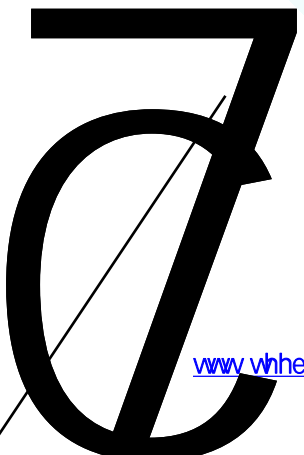
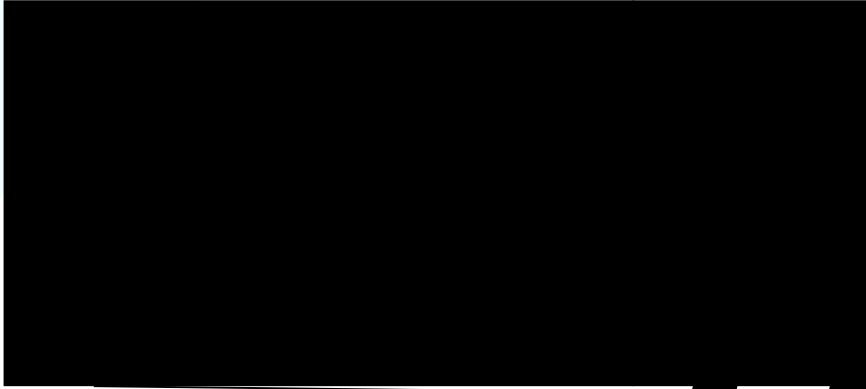
7 2

7 2 1

	20 /

7 2

赫兹电力
HERTZ POWER





7 2 5

7 2 6

7 2 7

7 2 8



赫兹电力
HERTZ POWER



7 2 9

赫兹电力
HERTZ POWER





7 2 13

7 2 14

7 2 15

7 2 16

赫兹电力
HERTZ POWER





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7 2 21

7 2 22

7 2 23

	FID

7 2 24

8.1

TCD

8.2

8 2 1

TCD	

8 2 2

TCD	



赫兹电力
HERTZ POWER



赫兹电力

HERTZ POWER



赫兹电力
HERTZ POWER



- 1.
- 2.
3. —
- 4.



赫兹电力
HERTZ POWER

HZSP

"

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HZSP

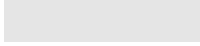
- 1
- 2
- 3
- 4
- 5

- 1
- 2
- 3



赫兹电力
HERTZ POWER

— N—G
N—G N—G



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赫兹电力
HERTZ POWER

“

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1

2

1.

2.

1

2

3

027-83267669

2

24

24

48

4