



赫兹电力
HERTZ POWER



赫兹电力
HERTZ POWER

产品宗旨：技术领先，质量可靠，服务周到，客户至上。
服务宗旨：快速响应，达到满意，超过期望。

赫兹电力
HERTZ POWER





HZSP

1 1

HZSP

GB/T 17623-1998

GB/T 7252-2001

CO CO₂

TCD H₂ O₂(N₂) FID

i



赫兹电力
HERTZ POWER

产品宗旨：技术创新，质量可靠，服务周到
服务宗旨：快速响应，达到满意，超过期望



FID TCD

24 AD

1 3 HZSP
HZSP

1 3 1
HZSP



赫兹电
HERTZ POWER

产品宗旨：技术创新，质量第一，服务宗旨：快速响应，达到客户要求，超过期望



1.5 HZSP

128*64

6

4

450

1

s

p



$5 \times 10^{14}A$

$1 \times 10^{13}A/30mi n$

10^6

450

TCD

S 4000mV·ml /mg() 1 2 4 8

$10\mu V$

$30\mu v/30mi n$

1 4 HZSP

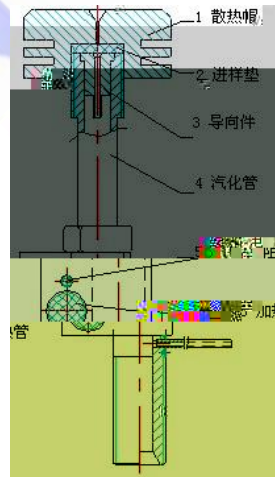
1 4 1

HZSP

1 4 2

HZSP

1. 7



1. 7 HZSP

1. HZSP



2. HZSP

5mm

3 4mm

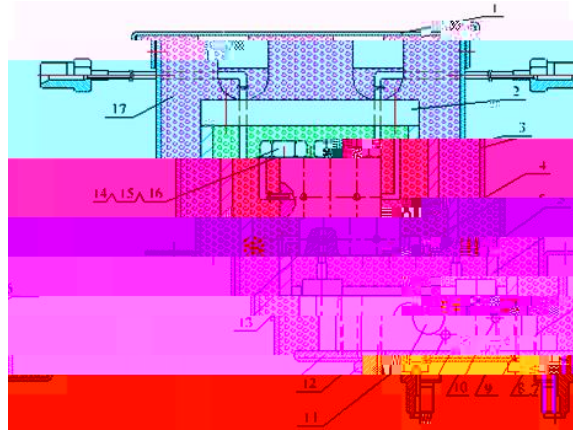
1 4 3

TCD

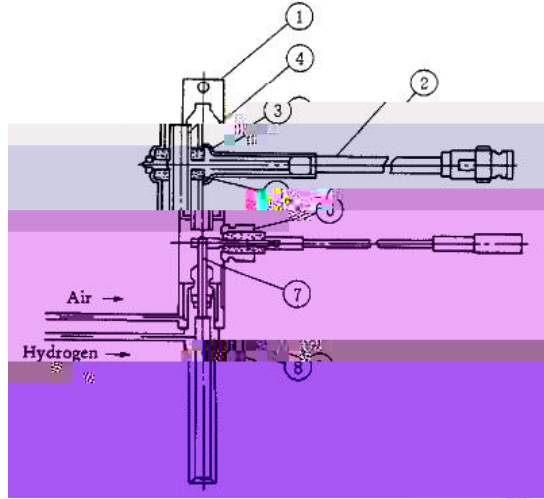
HZSP

TCD

1.9



α) Δ, η (λ) 1



1 2 3 4 5 6 7 8
1.10 FID
FID
FID
FID

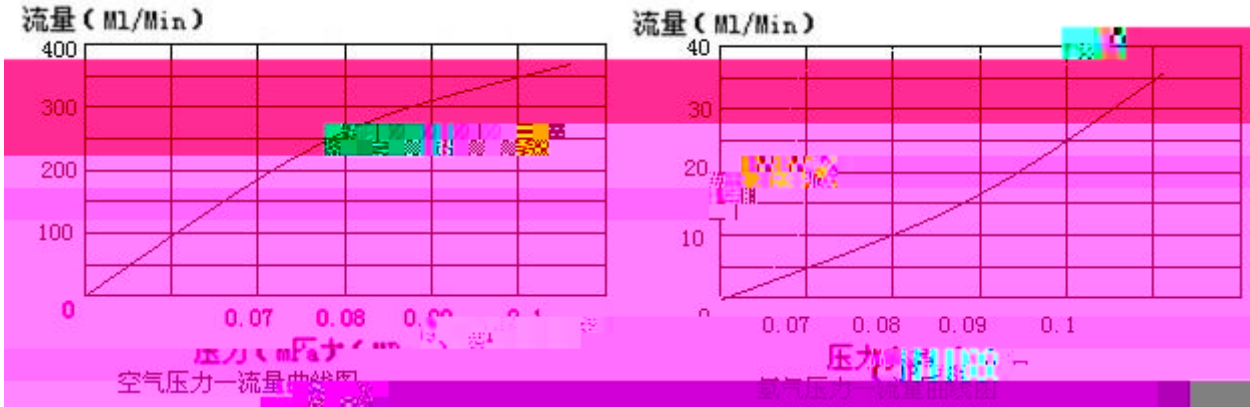
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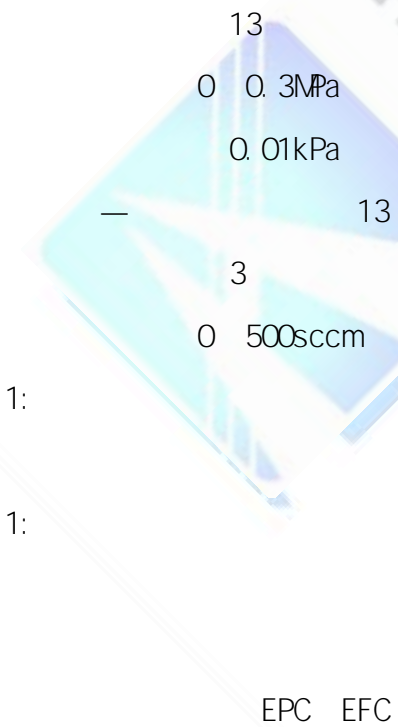


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1 4 7



EPC EFC



1 4 12 HZSP

RS232

2

5000

CAN

MODBUS

GPRS

3G

10/100M

5

-2.5V 2.5V

0.05μ V·s

225

027-83267669



noe
% ⇒ w mV μ 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

Q F C

2 1

è

赫兹电力
服务宗旨：快速响应，达到，超过

2 2

“ ”

È è

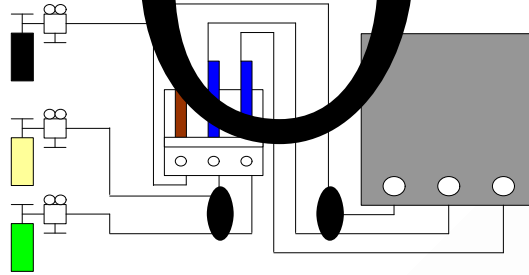
赫兹电力
HERTZ POWER

E

S

R

2 2 3



2 1



赫兹电力
HERTZ POWER

1.

2.



赫兹电力
HERTZ POWER



赫兹电力
HERTZ POWER



" C:\NetChrom\ "

" "

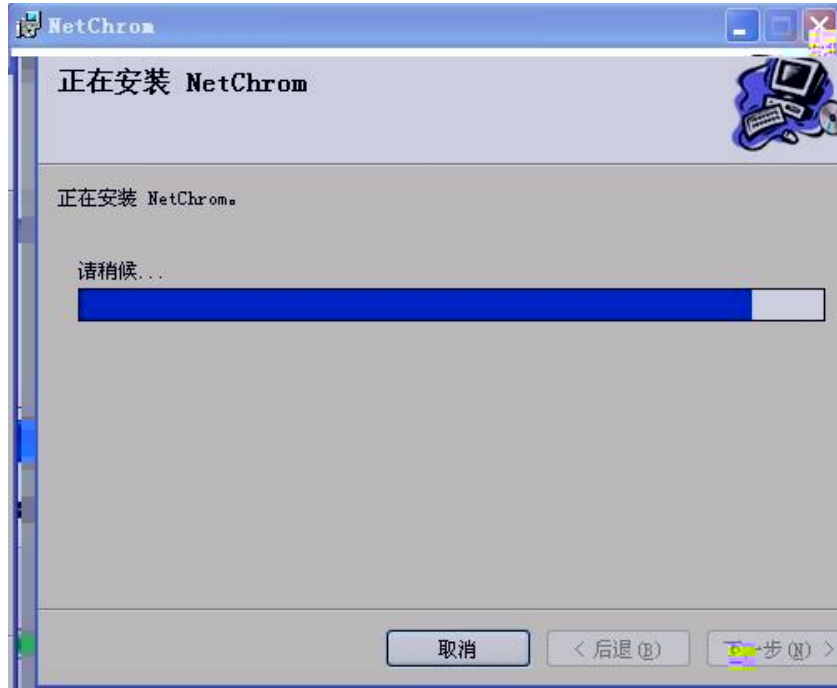
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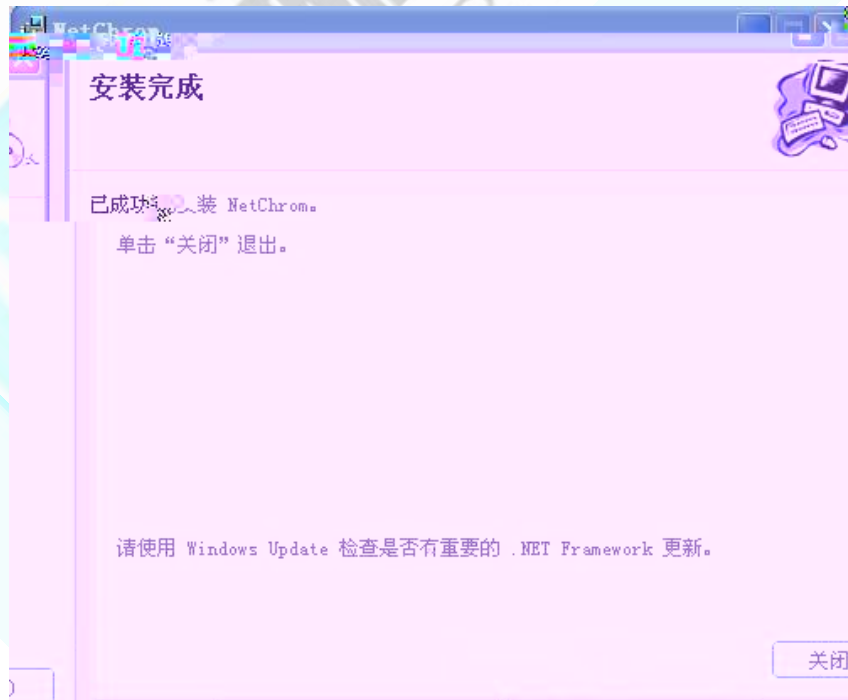
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" "

" "



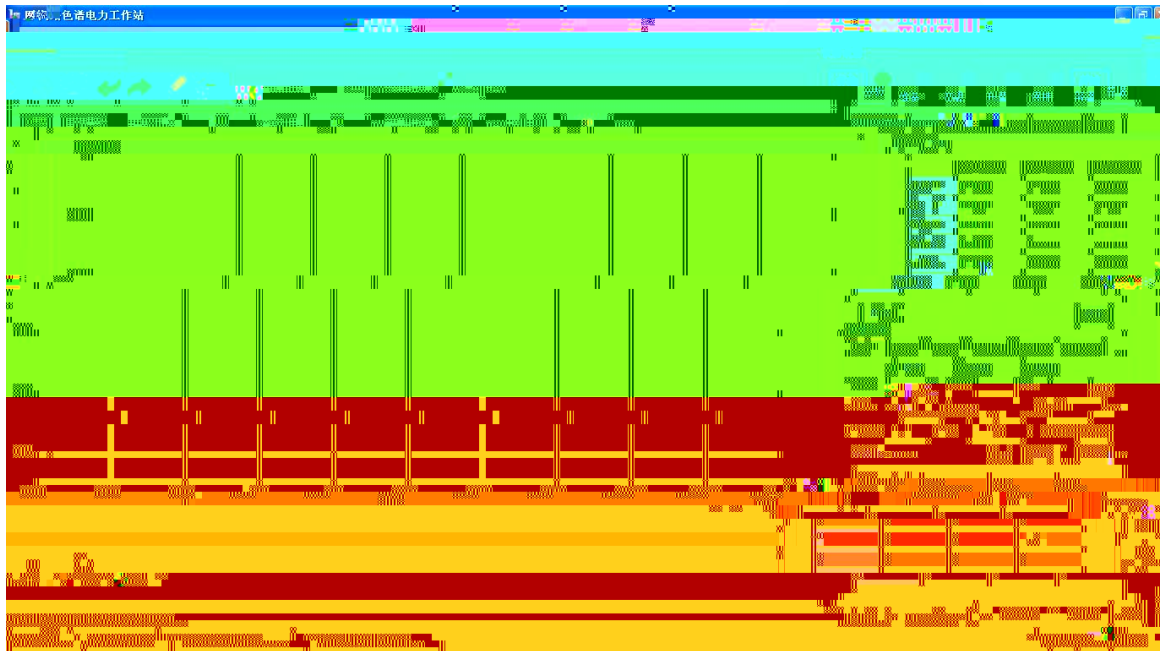
" "



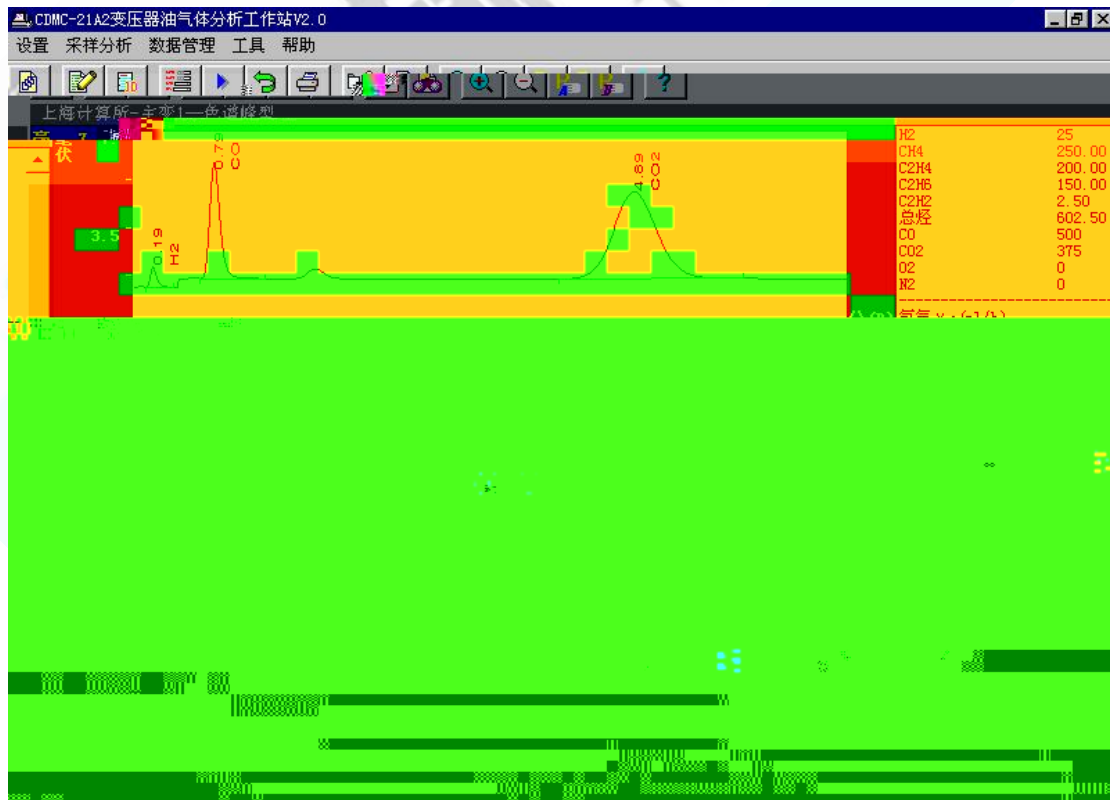
" "

"

"



“ 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"





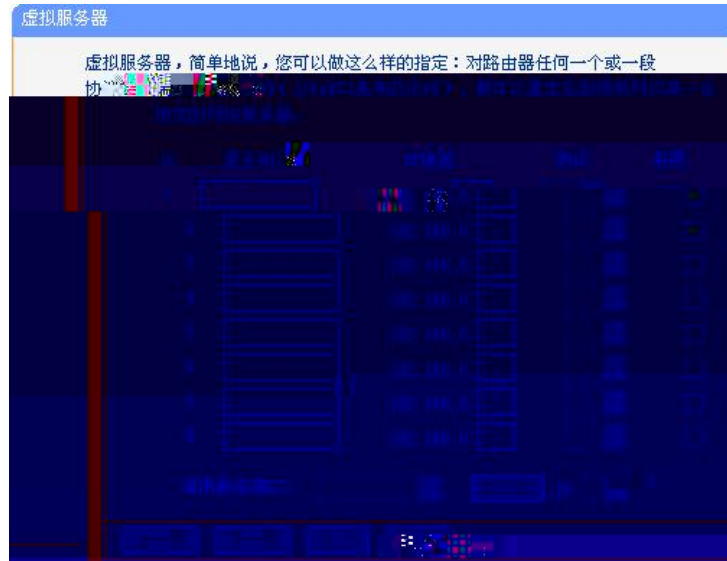
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NOTICE



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IP
" 192.168.0.2"

IP

IP

IP

IP

2 4 4

"

"

ID

" HZSP

" HZSP

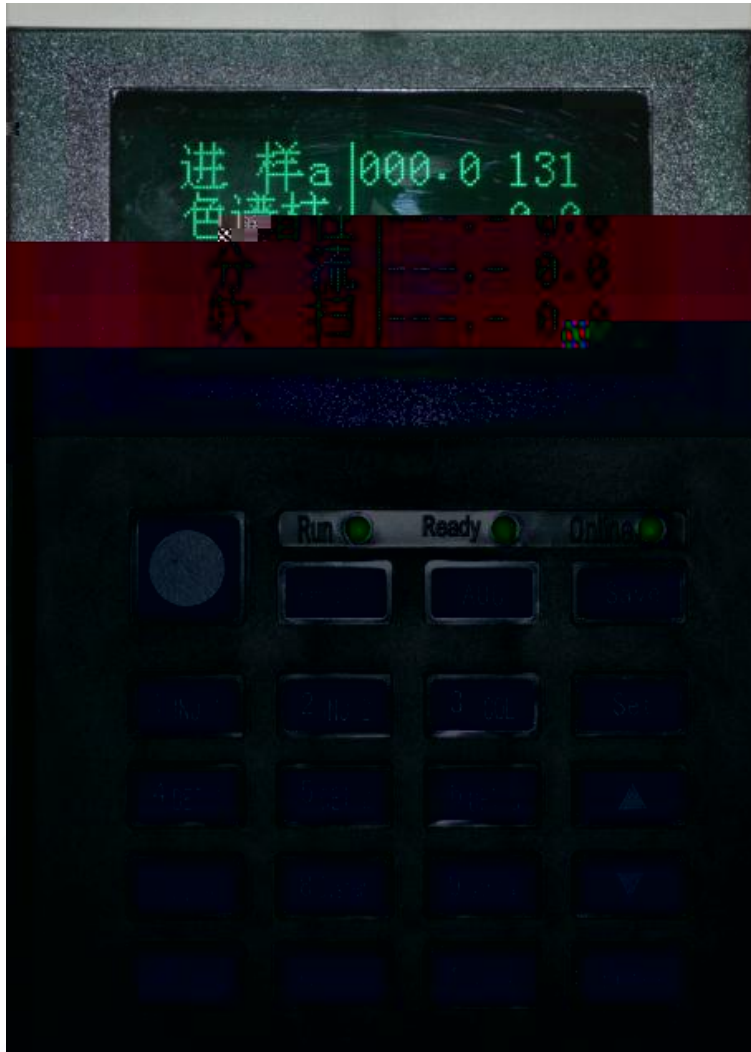
"

HZSP

3 1

HZSP

128*64



HZSP

HZSP

20

3



Stop

ACC

Save



Set



Enter

12

" DEL" " ."

RUN

Ready

± 1

± 6

Online

config

Set

EPC

5

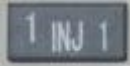
450

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

	120.0	120
b	001.2	kPa
	001.5	m /
	30	

" 3.1.1

A

"

a b

a b

3 1 4

a



a

a

"

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8

" 3.1.1 A "

0

1

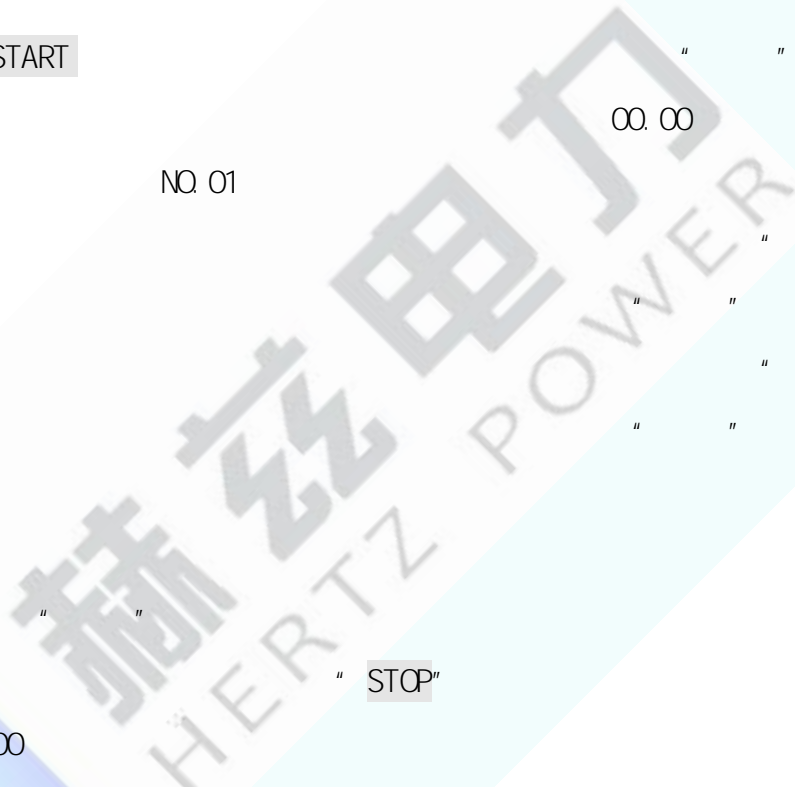
0

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

a	120.0	120
	030.2	030
	300.0	300
	022.0	022

a	120.0	120
	030.2	030
	300.0	300
	022.0	022

a 120.0 120
030.2 030
300.0 300

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Enter

" "

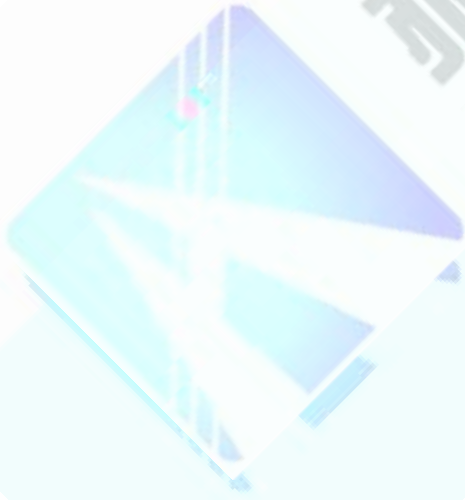
" " " "

" 3.1.1

A

"

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9999

: 008. 0mi n"

0

08.



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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



产品系列 服务支持 快速响应, 达 意, 超过

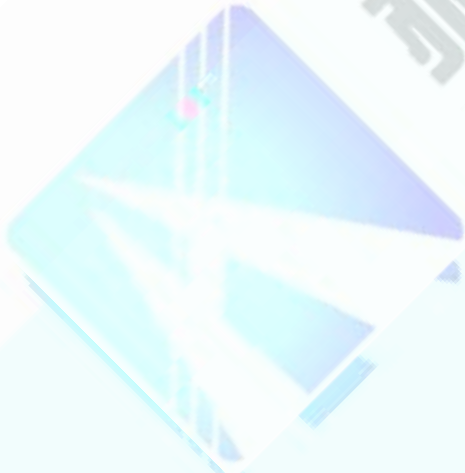
3 1 11 4 IP



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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m

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m

IP

IP

" "

IP

IP

IP

" " <--->

IP

IP

IP

IP

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IP

IP

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" IP "

3 1 11 5

ID



ID

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A14. 03. 08. 01	

10

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FID FPD

3 1 11 6



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产品种类多，服务周到，响应迅速，达到满意，超过...

33

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00. 00
DEL STW

HZSP	000. 00		
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3 1 14 FID

FID

FID

FID



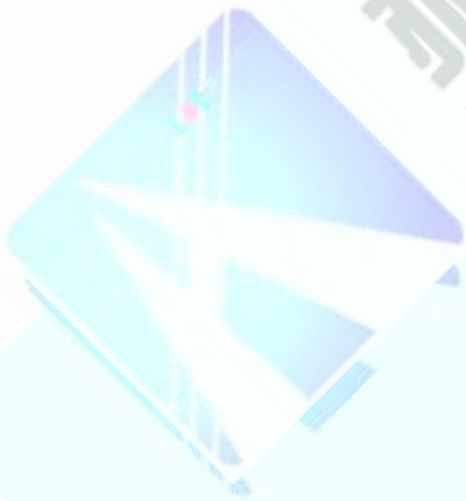
SET

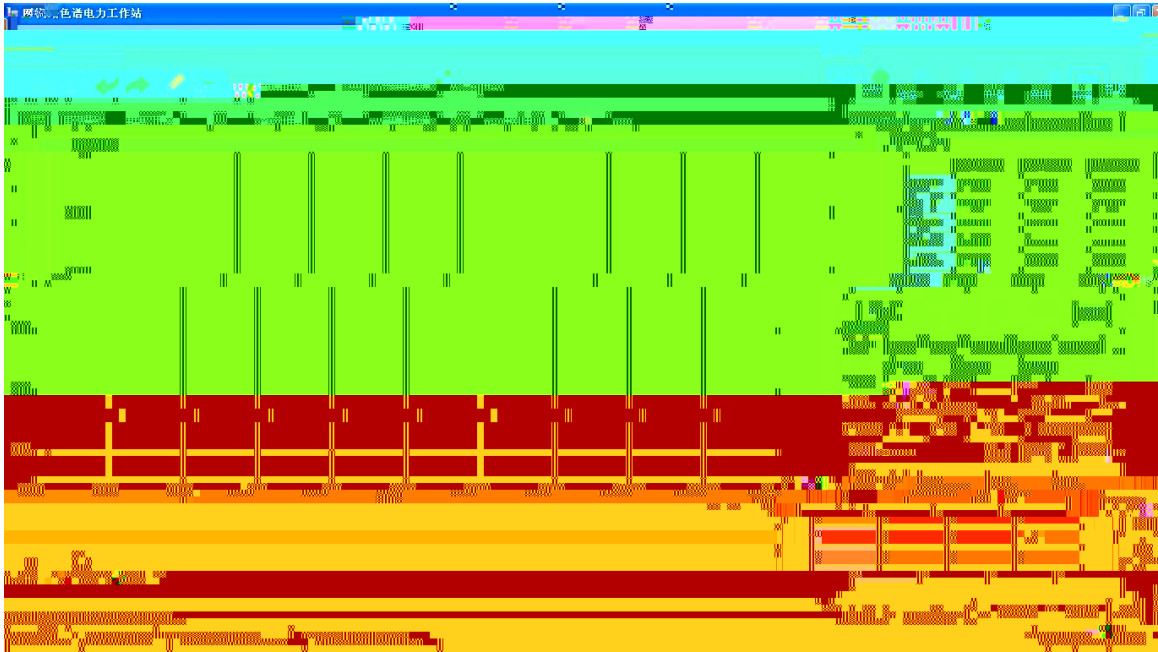
"

"

150

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4 2

4 2 1 (F)

4 2 1 1

" "

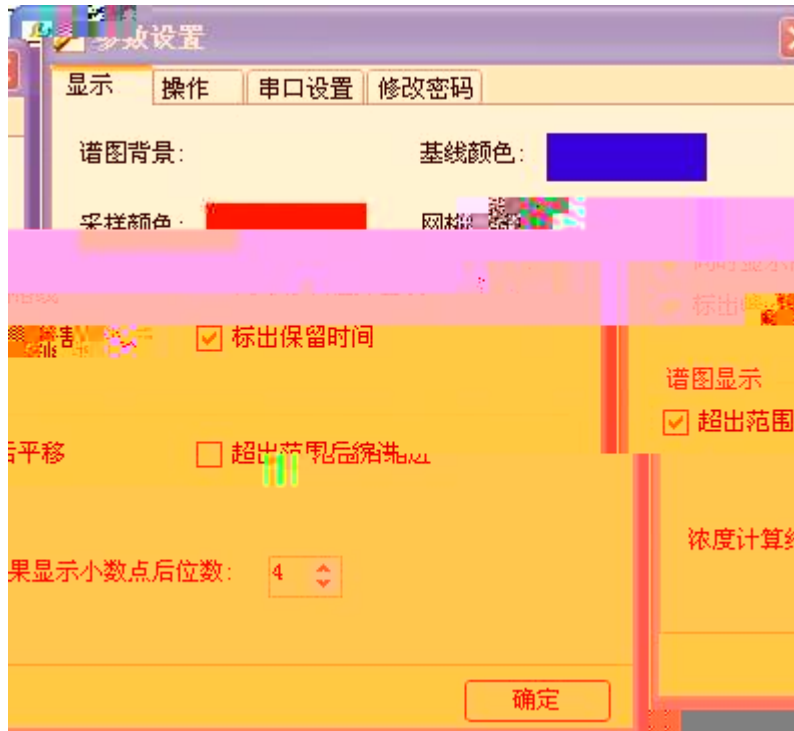


" "

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			
控区五			

4 2 2 4

" "

1 TCD

2

A

B

3

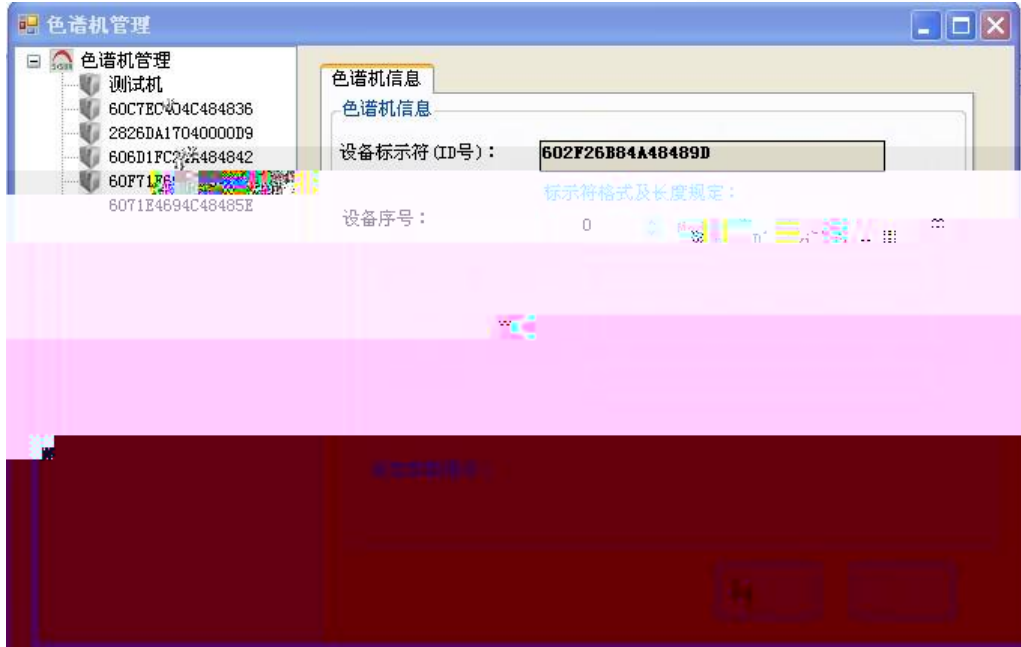
2

3

2 FID

3

2



4 4 1

ID

ID

ID

3 1 8

"

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1_FI D1_2008 12

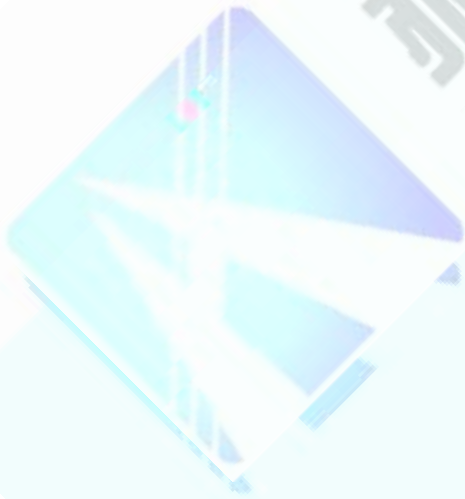
01 _8 58 58 .SDA

4 4 5

" "

4 5

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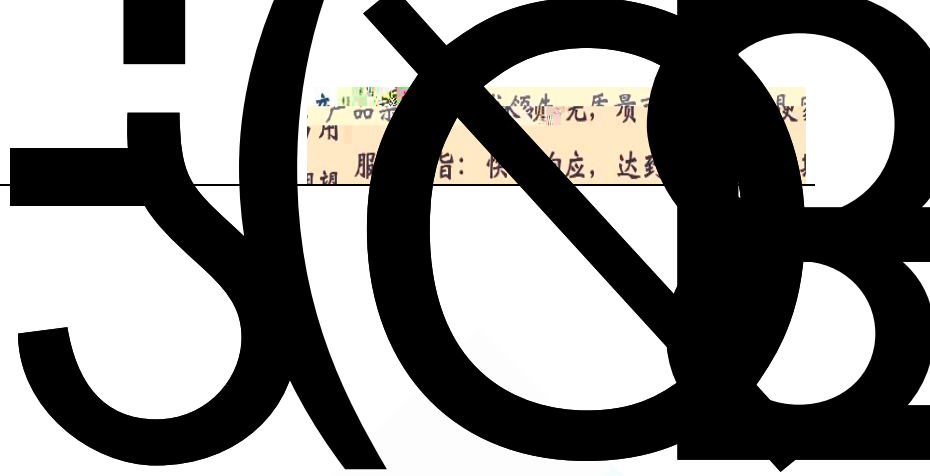


ë

E

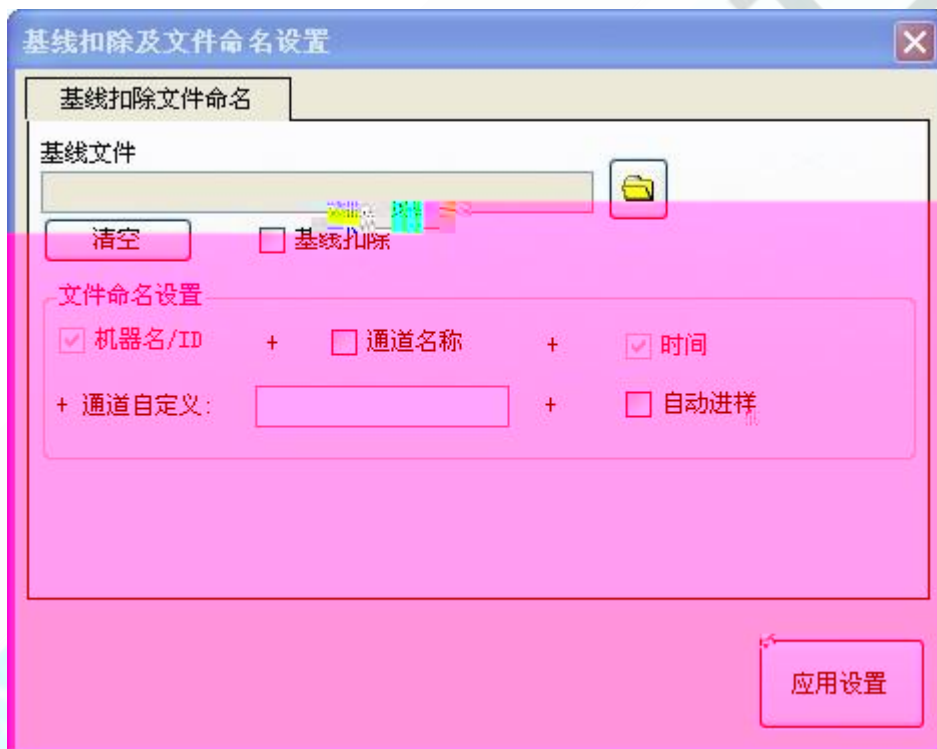
■ ■

5 ž / ä R C



产品... 服务... 响应... 达到...

4 5 7

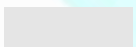


FI D1 TCD2





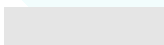
4 5 11



0

1

4 5 12



4 5 13



4 5 14

4.5 4.6

4 6

4 6 1



6



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 [0] 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

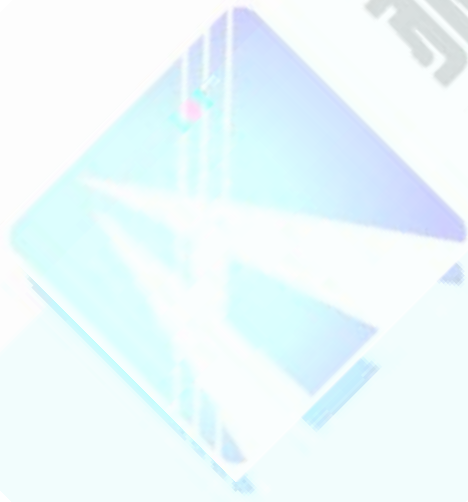
EFC

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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

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

查询 设定



" "



4 6 4

" "

AOC-20i

" " " "



" " " " " " " " "

1

3

2
10

3

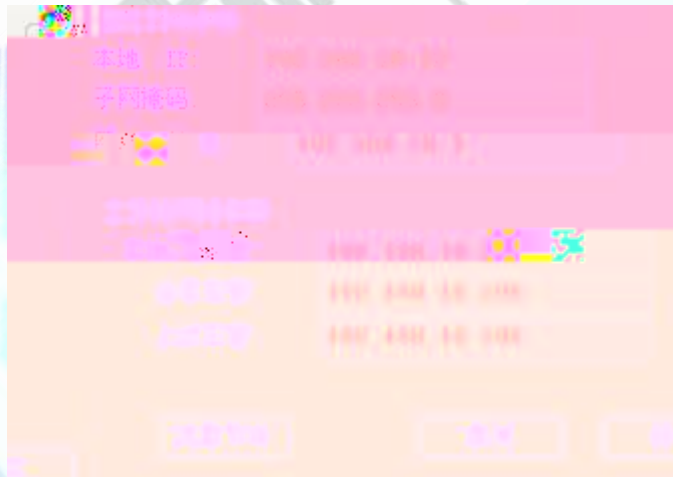
225

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4 6 5

" / "

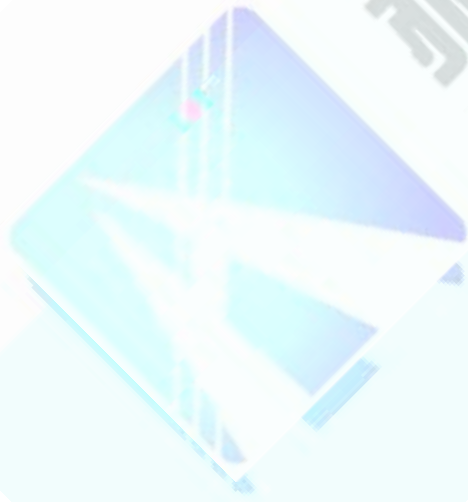


" "

" 3 1 8

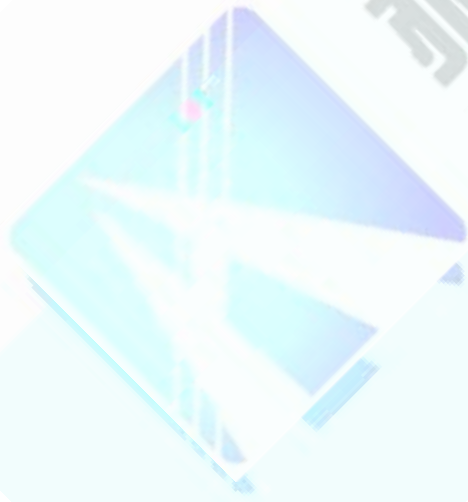
" " 2 4 1

"



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HERTZ



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HERTZ POWER



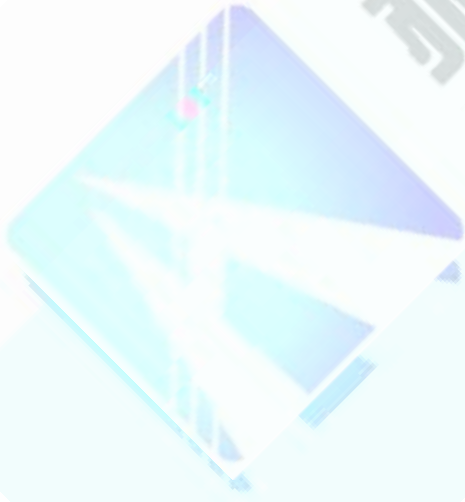
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产品宗旨：技术创新，品质可靠，服务宗旨：快速响应，排忧解难



m

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5 2

- W N9X
- W NDCMS
- 0. 006
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-

5 3

5 3 1

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

5 3 2

Windows



TD

CDM



" "

" "

" "

" "

“ ”

“ ” “ ” “ ”

CDMC-21

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" / "

" CDMC-21 V3.0" " / "

5 3 3



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HERTZ POWER

COM

5 4 3

5 4 4



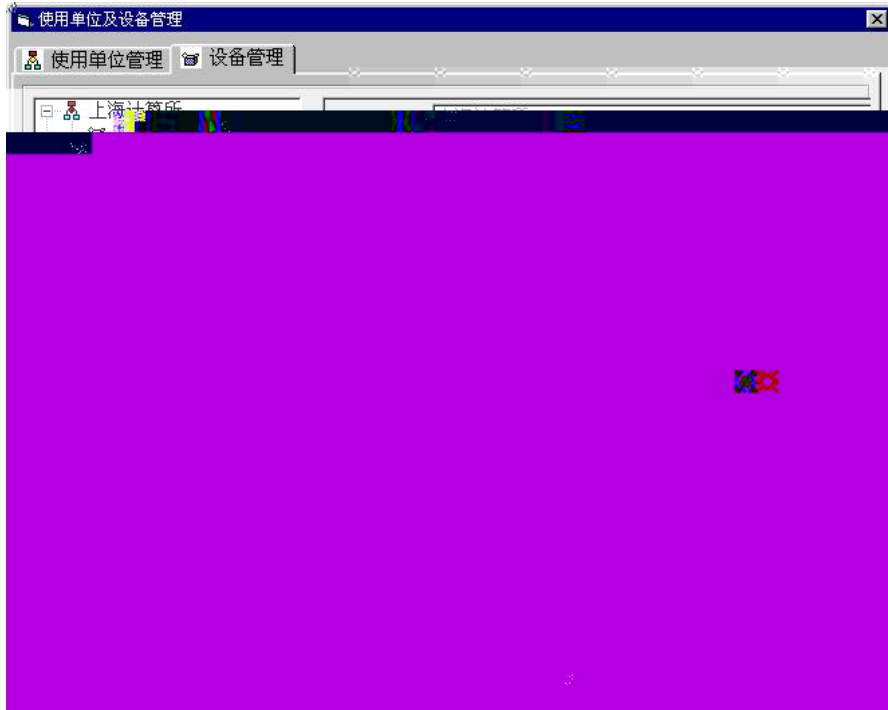
赫兹电力
HERTZ POWER

CDMC-21

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HERTZ POWER





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产品宗旨：技术领先，质量可靠，服务周到，客户至上。
服务宗旨：快速响应，达到满意，超过期望。

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ID " "

ID 6 ID

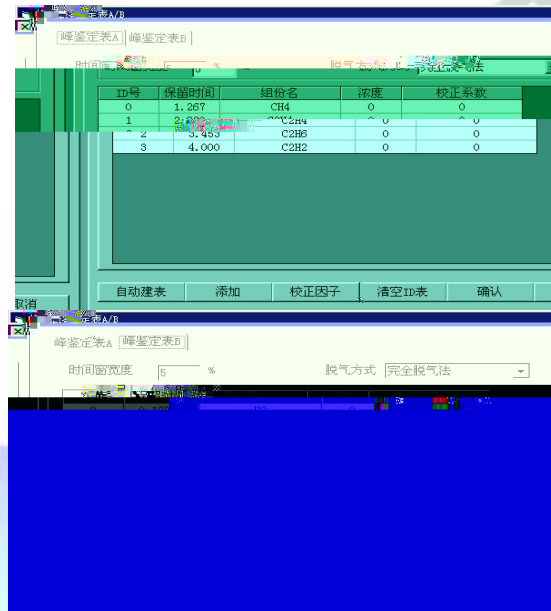
(4) ID

" ID " " " → " → ID " " A/B"

" A" " "

" " " B" A

B



(5)

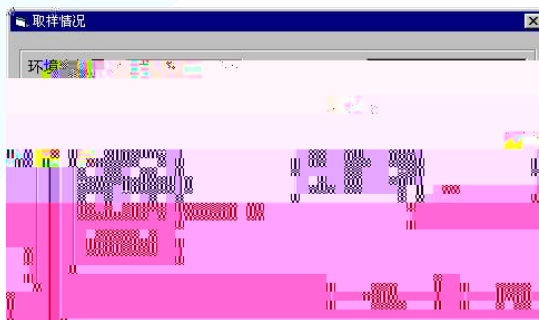
" " " " " "

" "

(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

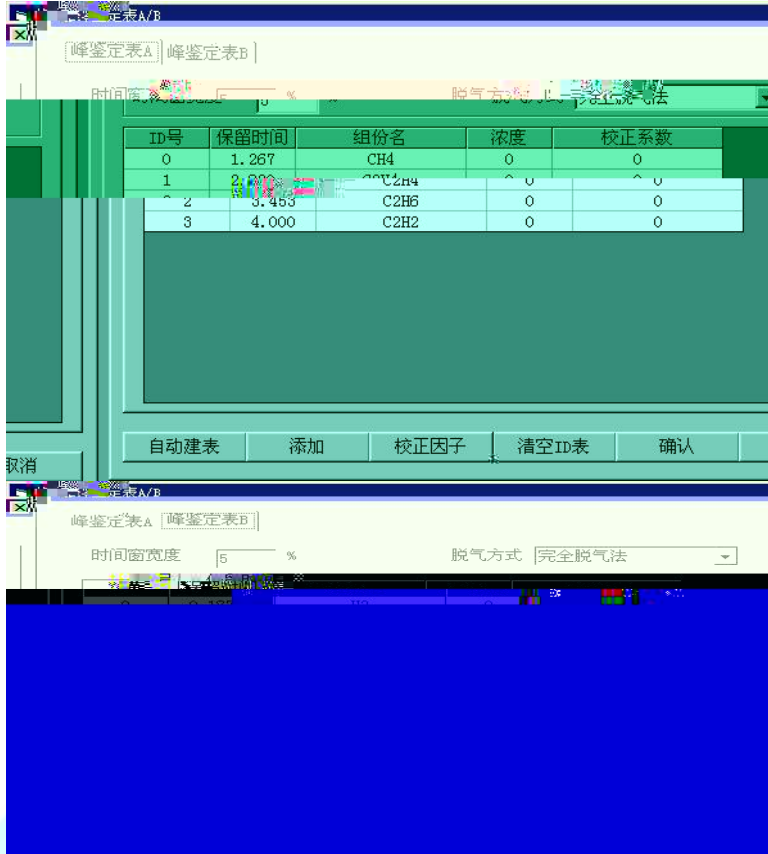


" " ID

" " ID ID

" ID " ID

ID



4.

" " → "

" Ctrl "

" "

ID

" "

" "

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

1

2

(2)

" m



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INC

白·山... 元... 快速响... 达到满意...

" "

10.

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" " → "





5 6 3

" " → " "

" → " "

" Delete"

" "

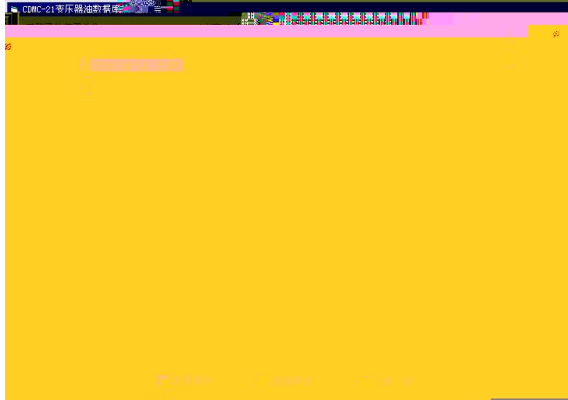
" → "

5 6 4

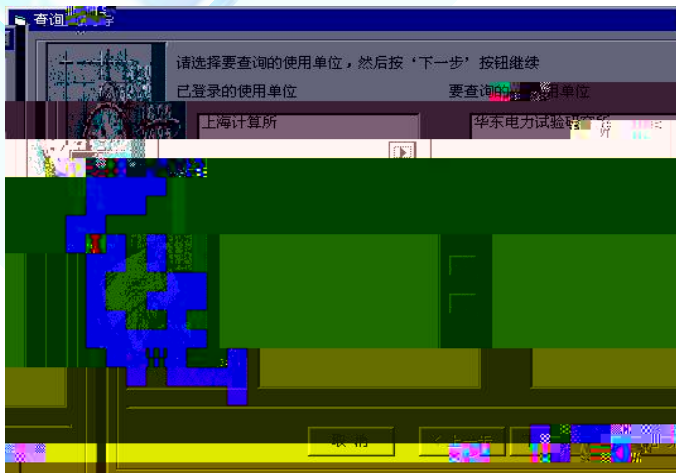
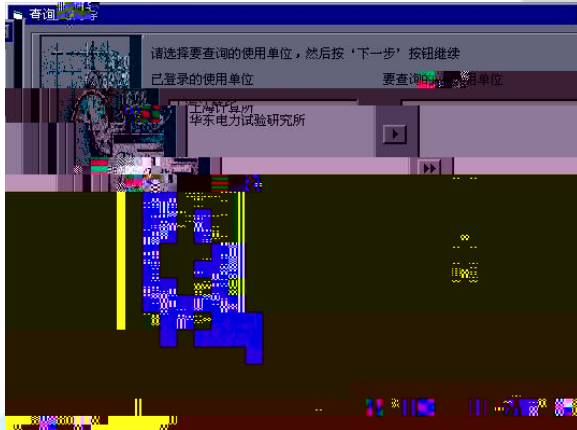
< r

" → "

"



“ ”





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HERTZ POWER

产品宗旨：技术创新，质量可靠，服务周到
服务宗旨：快速响应，达到满意，超过期望

“ ”

“ ”



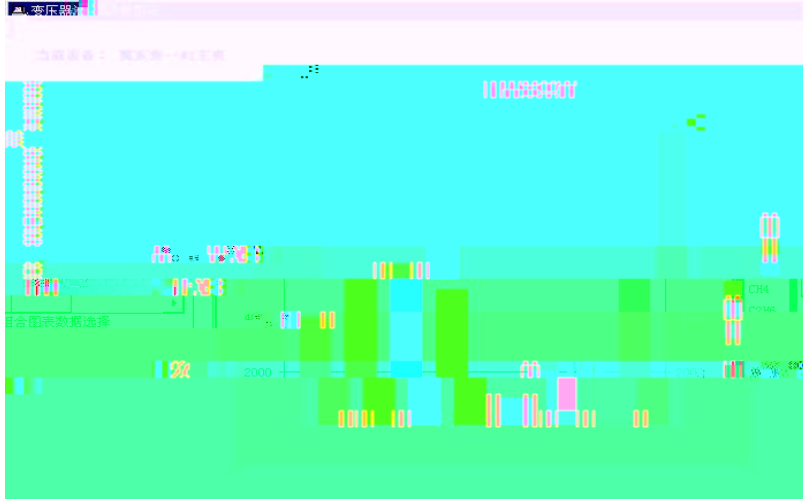
赫兹电力
HERTZ POWER

A



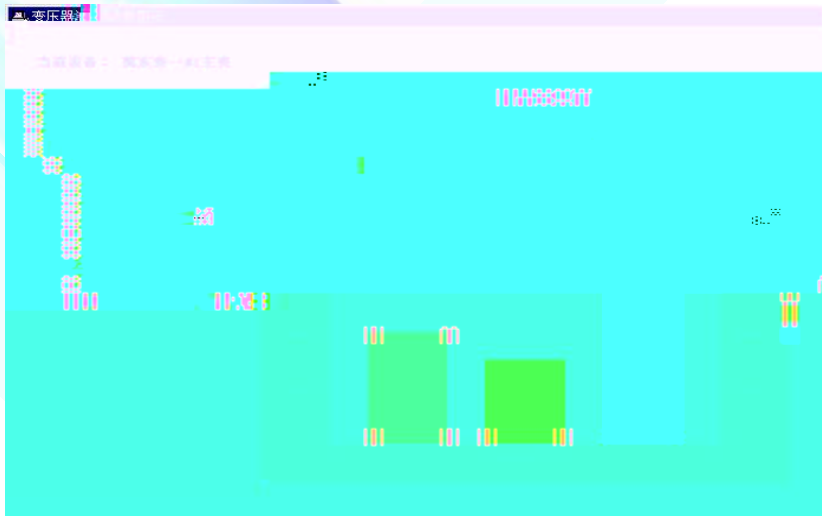
5 6 8

“ ” “ ” “ ” “ ”



● “ ”

●





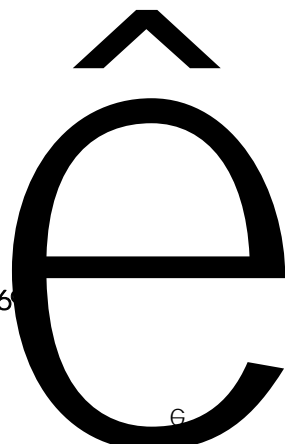
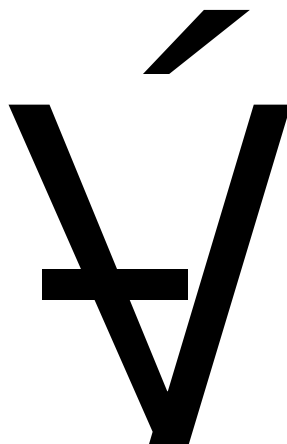
“ ”

“ ”

H2



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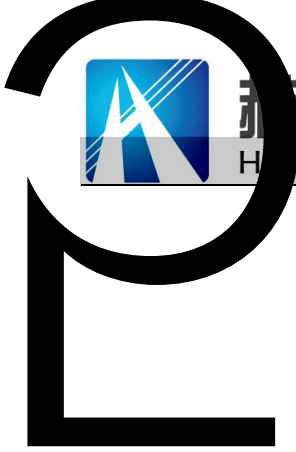
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HERTZ POWER

产品宗旨：技术领先，质量可靠，服务周到
服务宗旨：快速响应，达到满意，超过期望

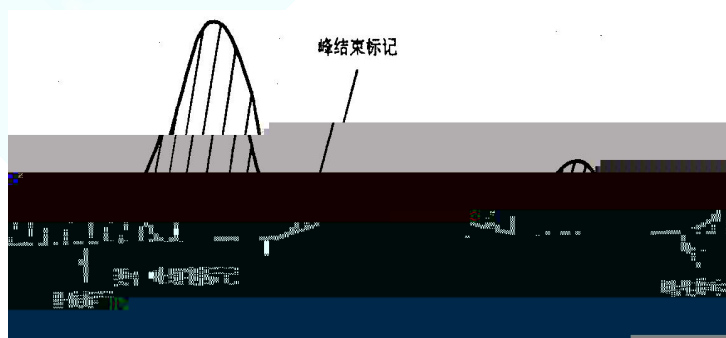
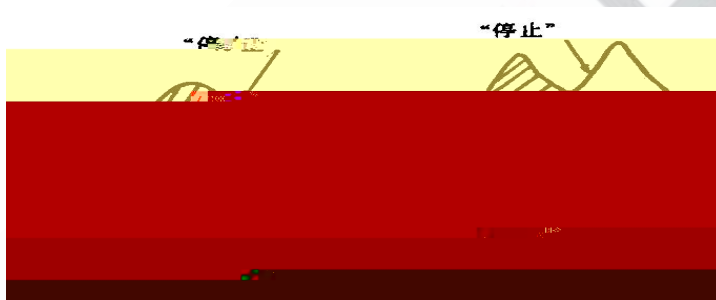
OMM

赫兹电力
HERTZ POWER





5.1.6



2

" I "

" N "

" T "

" MM "

" B "

" V "

" B "

" V "

" T "

3

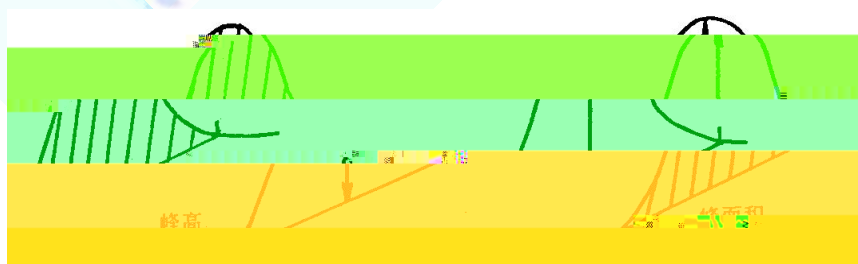
CDMC- 21

()

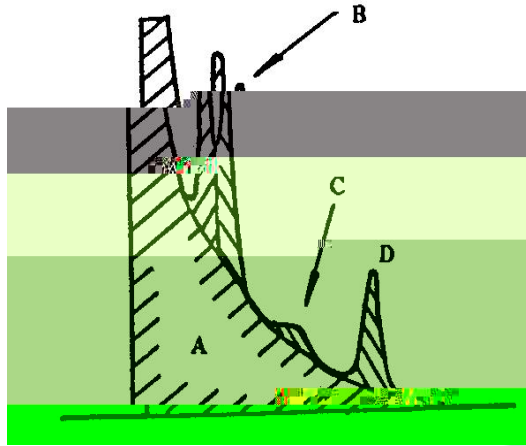
CDMC- 21

()

4



CDMC-21



2

B

C

D

A

CDMC-21

5. 2. 4. 2

CDMC-21

5 7 3

ID

ID



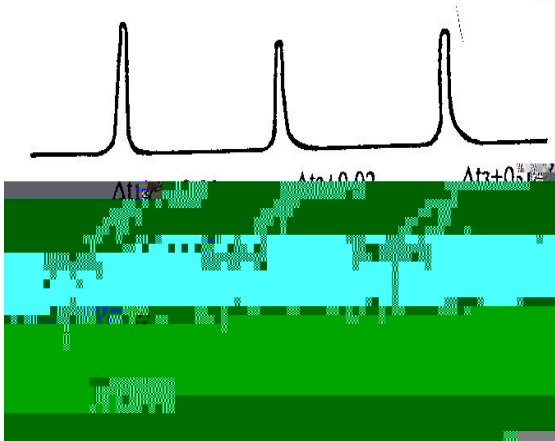
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ID

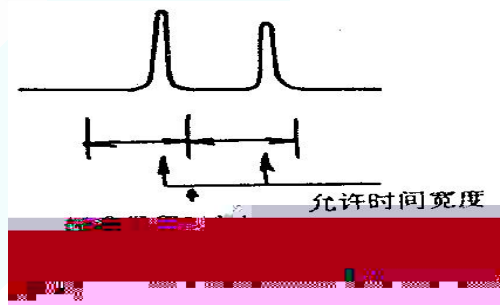
ID

IS

TIME WINDOW



* % +0.02



2

2

ID

(a) , ID

(b)

B

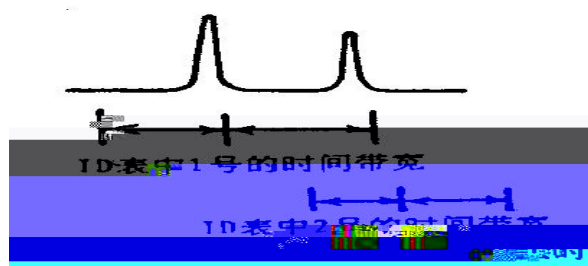
ID

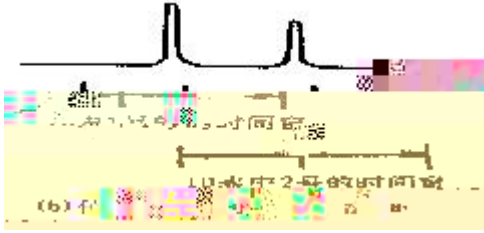
1

2

B

1





ID

B ID 1 2

2

B ID

2

5 7 4

赫兹电力
HERTZ POWER

0.01

0.00

10

10

1 " "

2 " "

3 " "

4 " "

5 " "

6 " "

ON OFF





7 " "

ON OFF

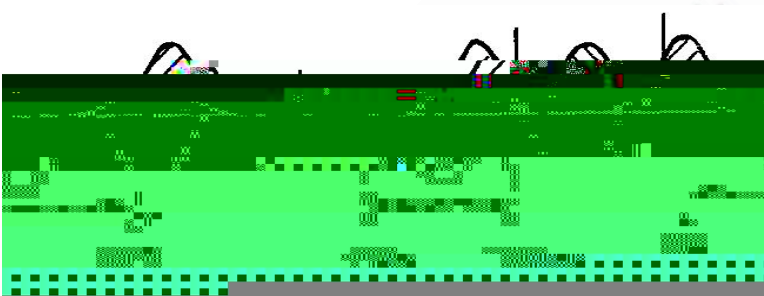
ON OFF



8 " "

ON OFF

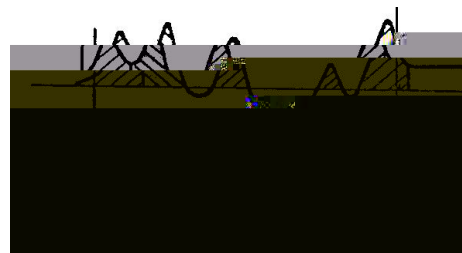
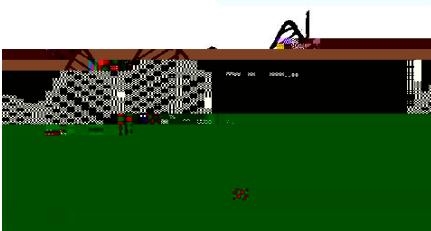
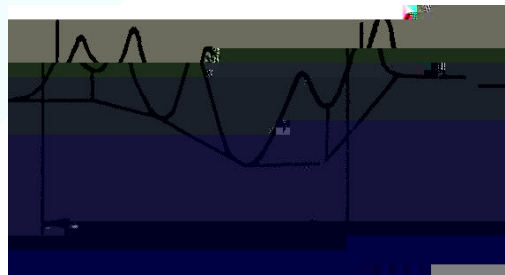
ON OFF



9 " "

ON OFF

ON OFF



225

027-83267669

赫兹电力
HERTZ POWER



6

6 1

6 2

FID

6 3

6 3 1

(50mm)

(4mm)

6.1

6.1



赫兹电力
HERTZ POWER

产品宗旨：技术创新，质量可靠，服务周到
服务宗旨：快速响应，达到满意，超过期望

赫兹电力
HERTZ POWER





6.2 :

6 4

260

24

5A

5A

6 5

260

24

5A

5A

7

7 1

7 1 1

7 1 2

IP	IP
	IP



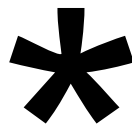
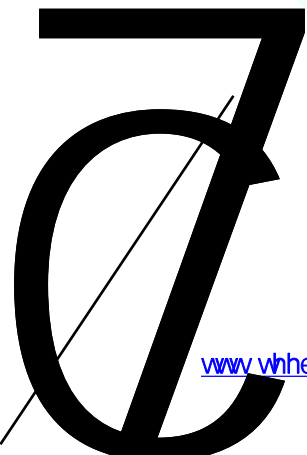
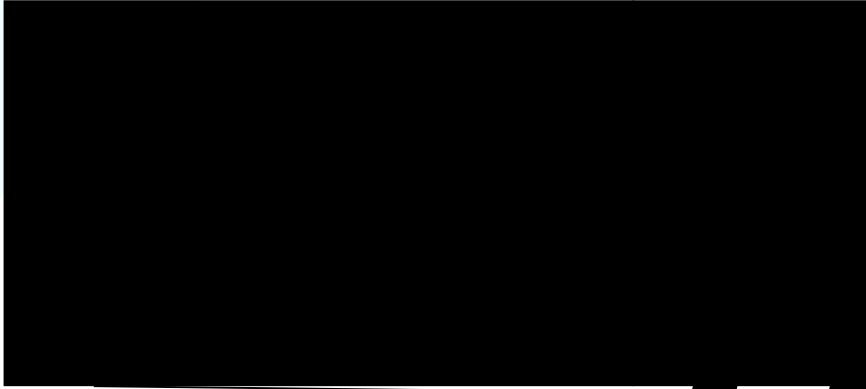
7 2

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

产品宗旨：技术创新，品质卓越，服务宗旨：快速响应，达到满意，超过期望

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

产品宗旨：技术创新，质量可靠，服务周到
服务宗旨：快速响应，达到满意，超过期望



赫兹电力
HERTZ POWER



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7 2 21

7 2 22

7 2 23

	FID

7 2 24



8

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

产品宗旨：技术领先，质量可靠，服务周到
服务宗旨：快速响应，达到满意，超过期望

赫兹电力
HERTZ POWER





- 1.
- 2.
- 3. —
- 4.

赫兹电力
HERTZ POWER





HZSP

"

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"

"

HZSP

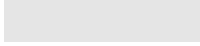
- 1
- 2
- 3
- 4
- 5

- 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



1
2

1.

2.

1
2

3

027-83267669

4

2

24

24

48