



赫兹电力
HERTZ POWER

Ш

4

Ш

30AШ

Ш

HZDW-F

Ш

HZDW-F

Ш

50Hz

Ш

4

1.

Ш

0.1Hz,

10HzШ

50hz

60hz

Ш

2.

Ш

,

,

Ш

3.

Ш

0.005 á ,

Ш

4.

Ш

4

4

Ш

5.

,

,

Ш

Ш

Ш

6.

,

Ш

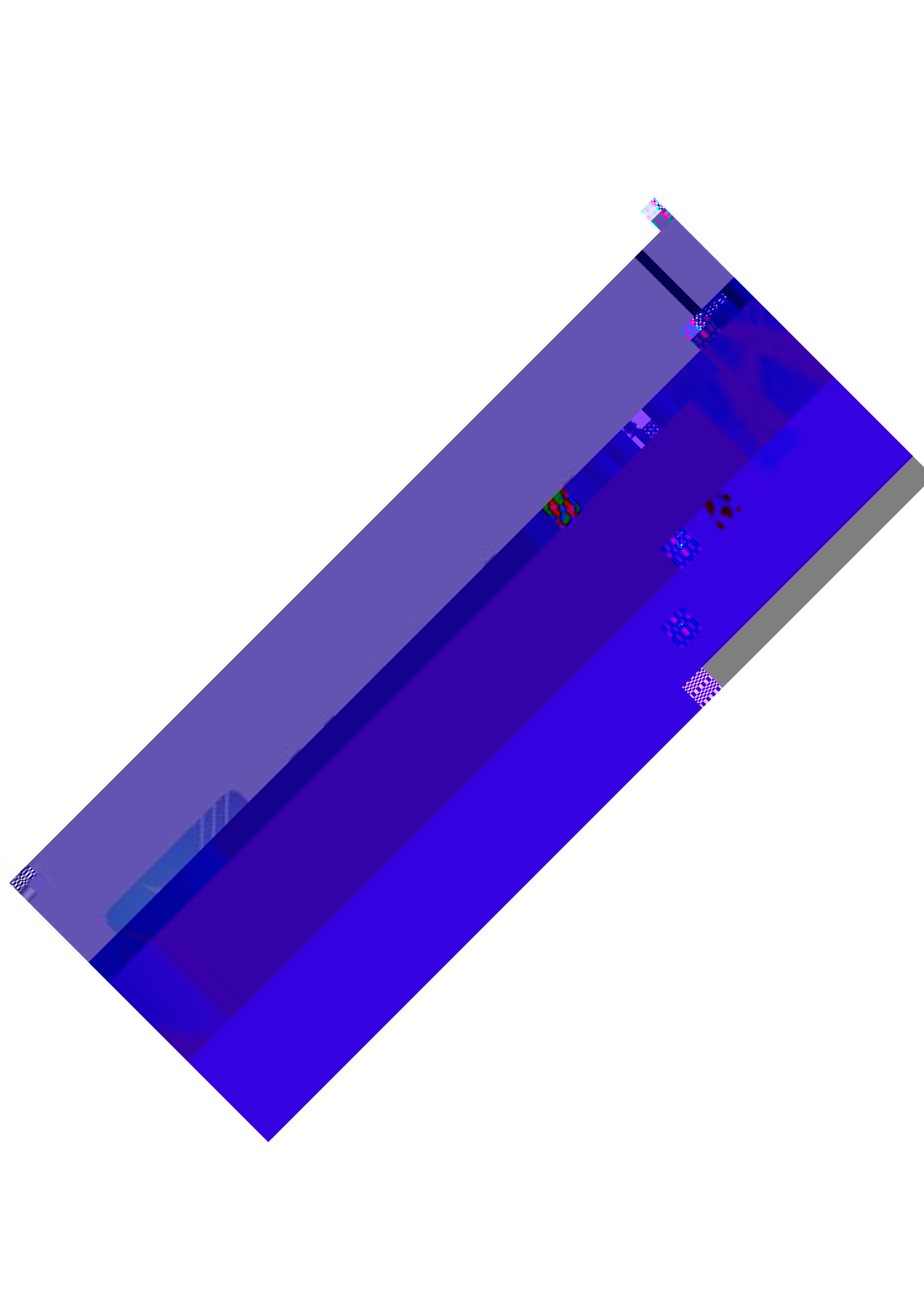
,

Ш

225

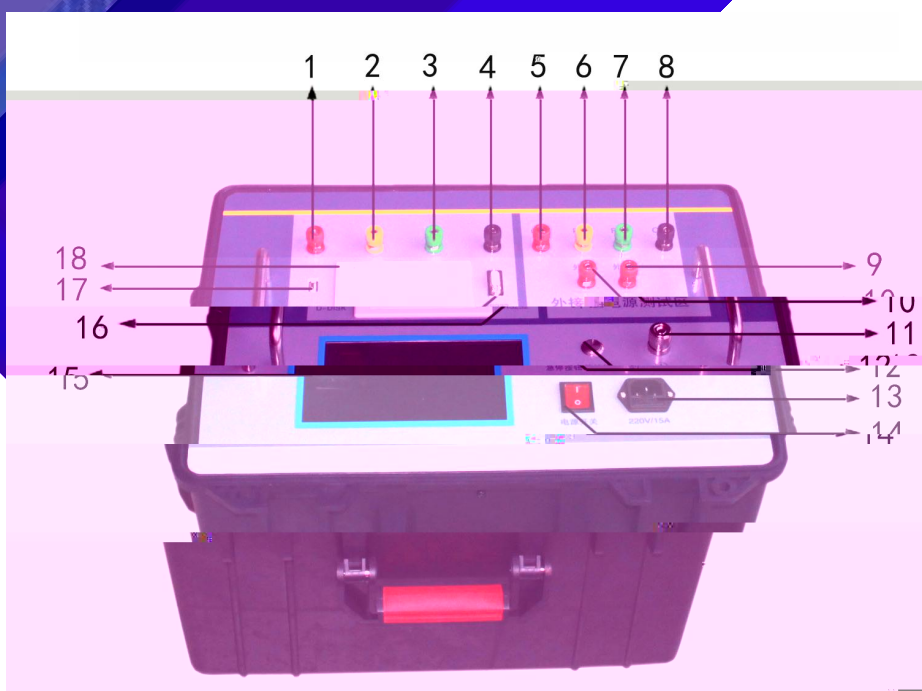
027-83267669





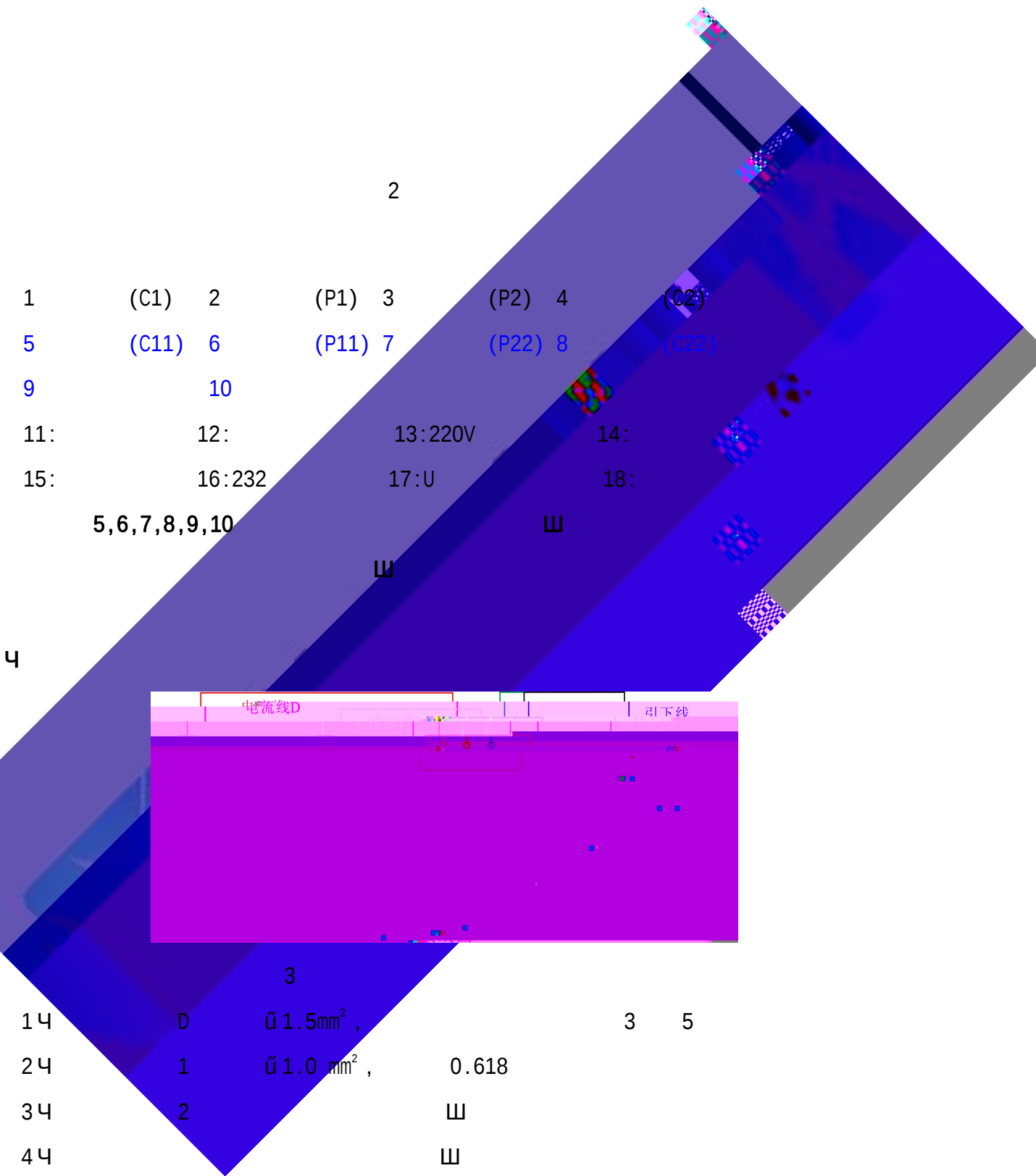
1
1 4 R₀ 5 200 á
2 4 R_x 0 200 á
3 4 R_f
4 4 D
5 4 1 0.618D
6 4 2
7 4

3 5
Ů 1.0mm²
Ů 1.5mm²



ZL3

021-83267669

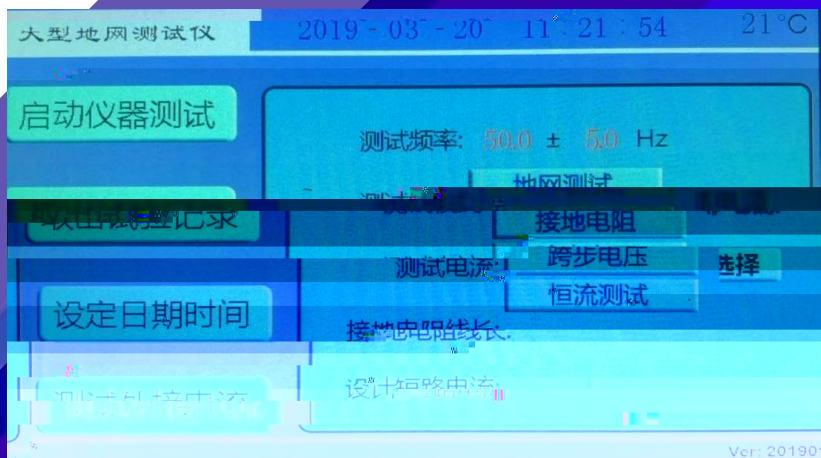




5

2

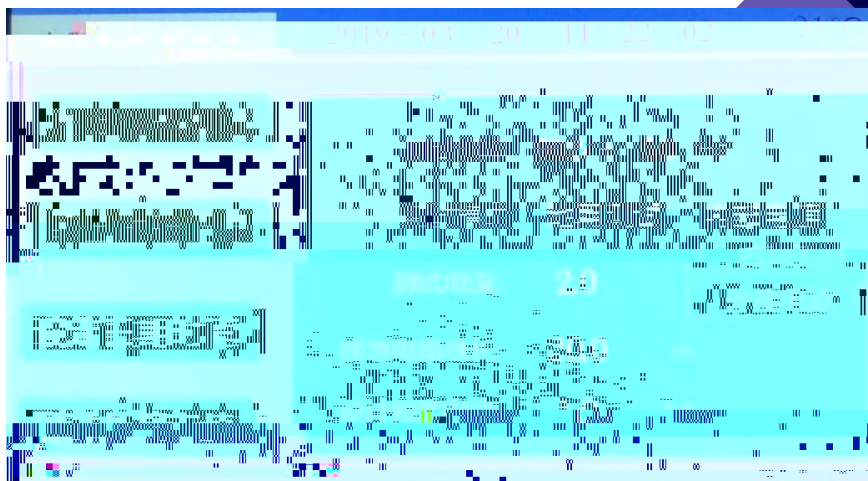
- 1) 50.0 ± 5.0Hz 45/55Hz 50 ± 5Hz
- 60 ± 5Hz 40-70Hz 50Hz 50.0 ± 0.0Hz
- 2) 6



6

3)

山 7



7

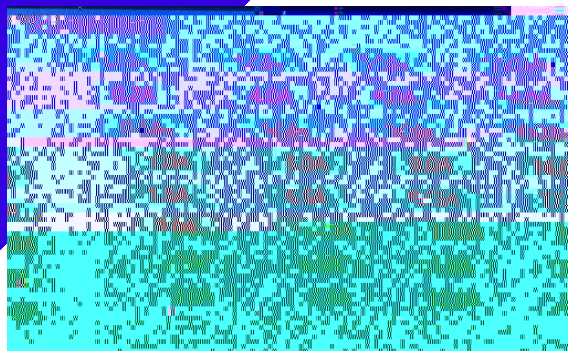
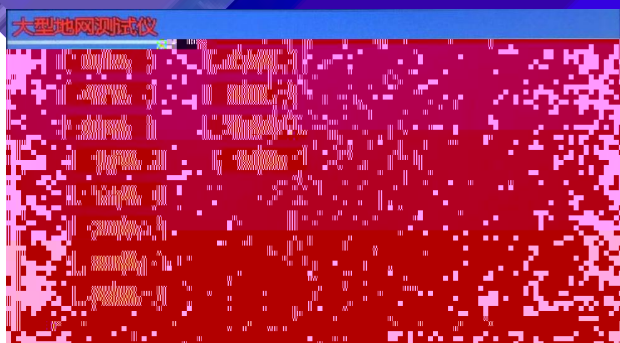
4)

2.0A

山

2.2A山

山 8



8

5A 20A

5)

20 山

6)

山 1kA山

7) (5)

山

山 9 i p

9

OK

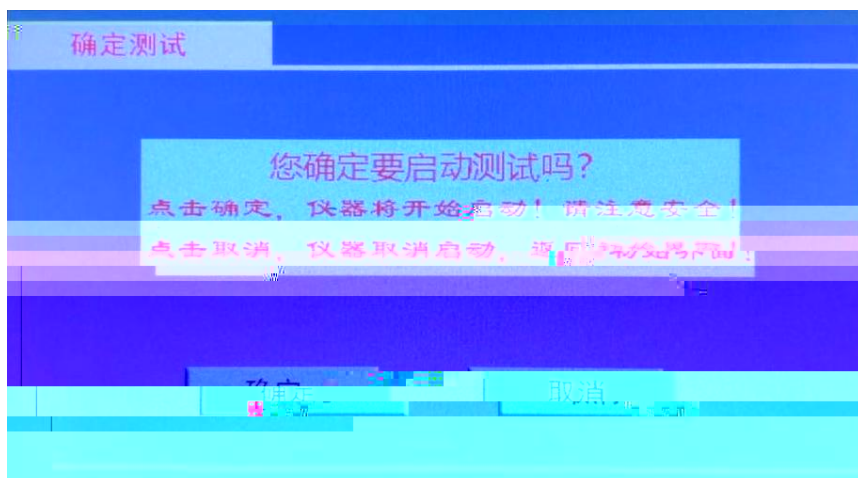
山

esc

山

7.- n

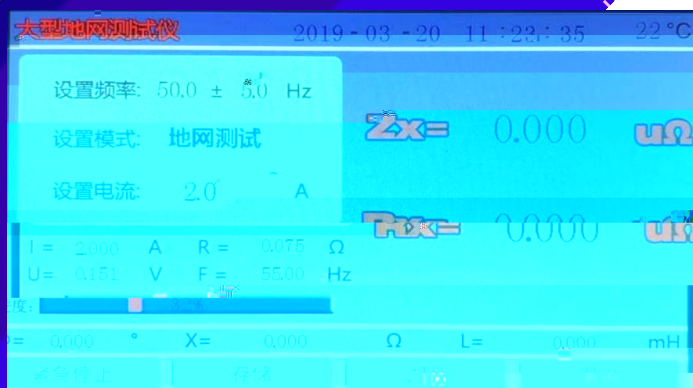
0



10

山
(5)山

(11)山



I=2.000A

U=0.151V

R=0.075 á

F=55.00Hz

F=45.00Hz

(

(

225



F1)

F2)

84%

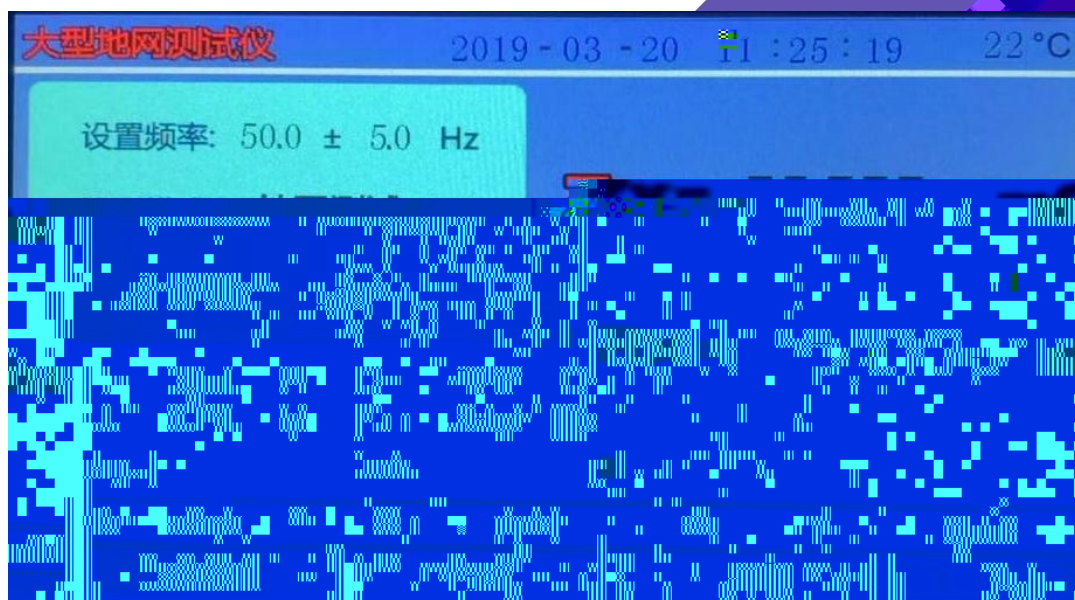
84%

100%

山

11

12



12

$Z_x = 75.777\text{m}\Omega$:

$R_x = 75.770\text{m}\Omega$:

$P = 0.769\text{W}$:

$X = 0.001\Omega$:

$L = 0.003\text{mH}$:

(5) 山

山

山

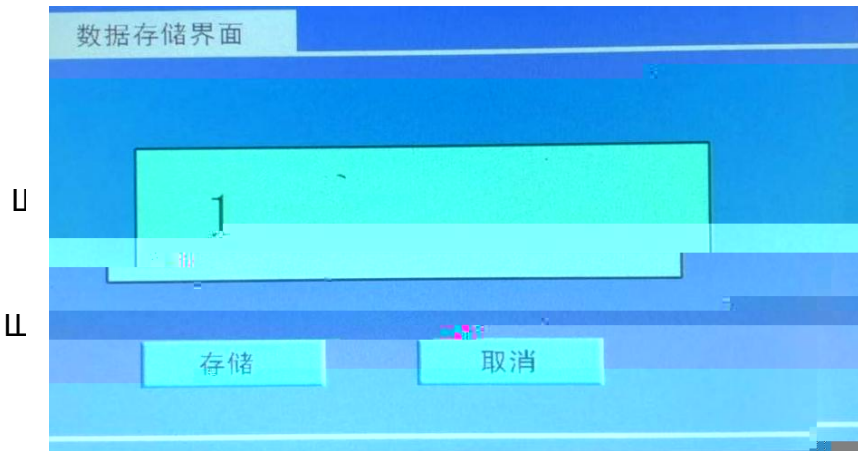
13 山

1.

2.

3.

山



7.44

(5) ,

,

13

20

14



(14)

,

山

山

(15)山

,

(5)山



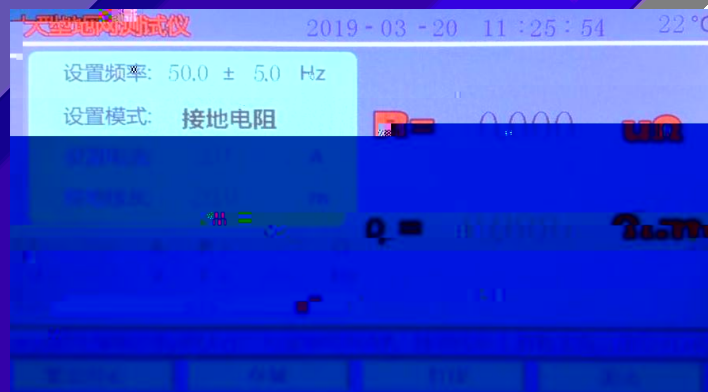
I=2.002A
山

U=0.153V
山

R=0.076 á
山

F=55.00Hz
(

F=45.00Hz
(



F1)
F2)

84%

84%

100%
山

(15)



$I = 1.999A$
 $F = 47.50Hz$
 $T = 0 \text{ m } 14 \text{ s}$
 4% 4% 100% 5 20

大型地网测试仪

2019-03-20 12:17:57 20°C

设置频率: 47.5 ± 0.0 Hz

设置模式: 恒流测量

设置电流: 2.0 A

接地线长: 20.0 m

I = 1.000 A F = 47.50 Hz

(20)

I=1.998A

F=47.50Hz

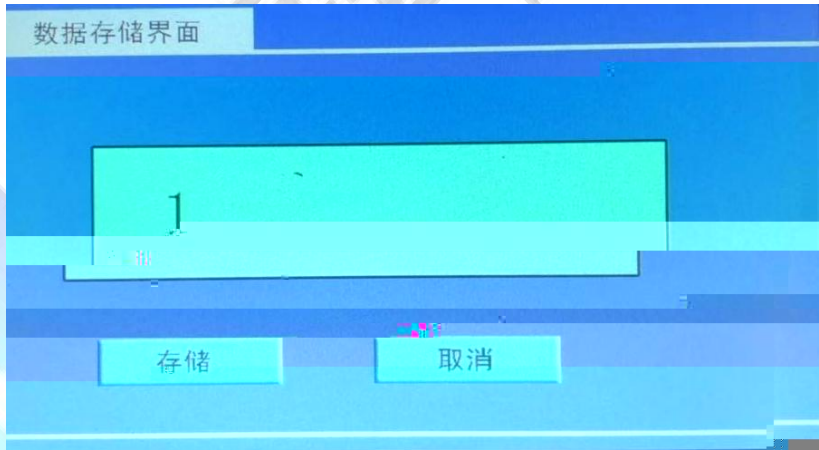
T=0 m 37 s

37s

5

(5)

21



21

7.74

1 r

Д

山

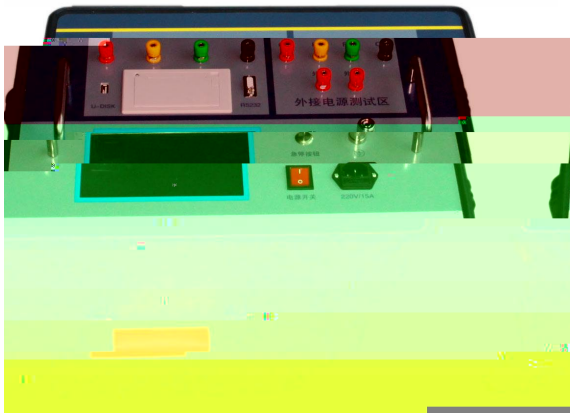
225

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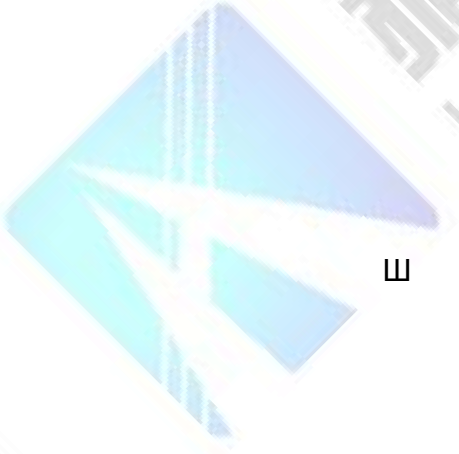
2	г		Д			Ш
3		0.0A	г	Д	г	Д
		Ш		0.5mШ		80 á Ш
4			0.01 á			Ш
5		C1		20		Ш
6						
		Ш				
7				Ш		
8					,	Ш
9				Ш		

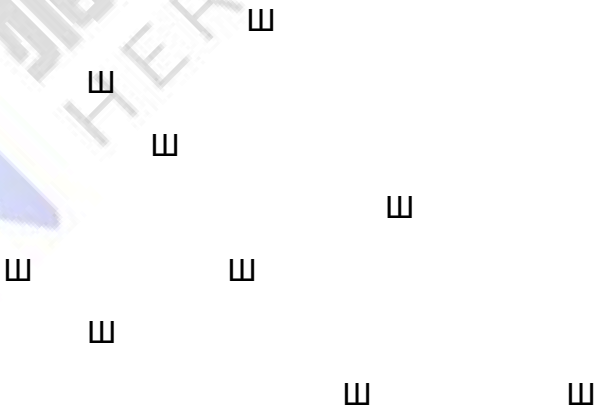


4

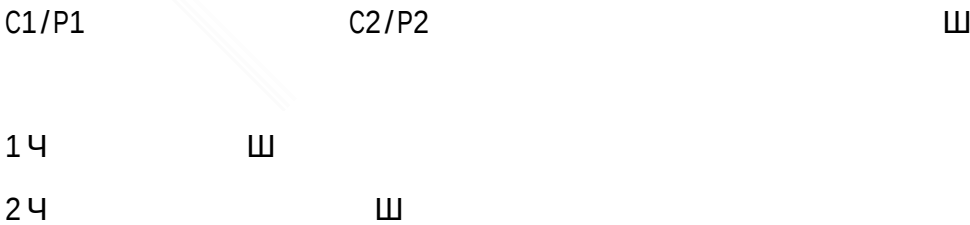


1.
2.
3.
4.
5.
6.





4



225

027-83267669



a>>h

b>>h

a=b

$\delta = 2 \pi aZ$

4

C

dCG

4~5

dPG

dCG

$$Z = \frac{Z'}{1 - \frac{D}{2} \left[\frac{1}{d_{PG}} + \frac{1}{d_{CG}} - \frac{1}{\sqrt{d_{PG}^2 + d_{CG}^2 - 2d_{PG}d_{CG}\cos\theta}} \right]}$$

公式 (1)

$\epsilon \mid$

$Z' \mid$

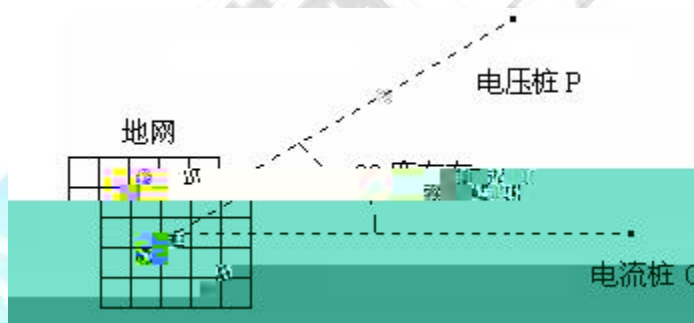
dPG

dCG

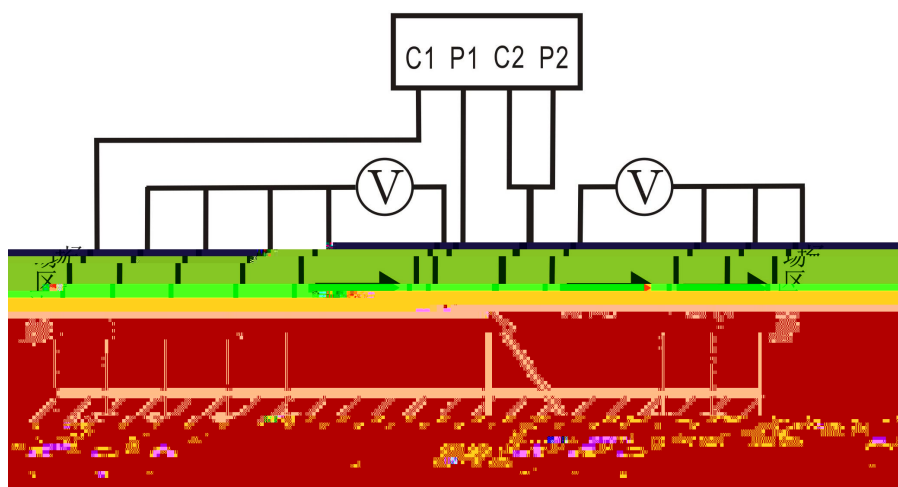
ϵ

$30 \square dPG=dCG=2D$

2A



4



4

Rm

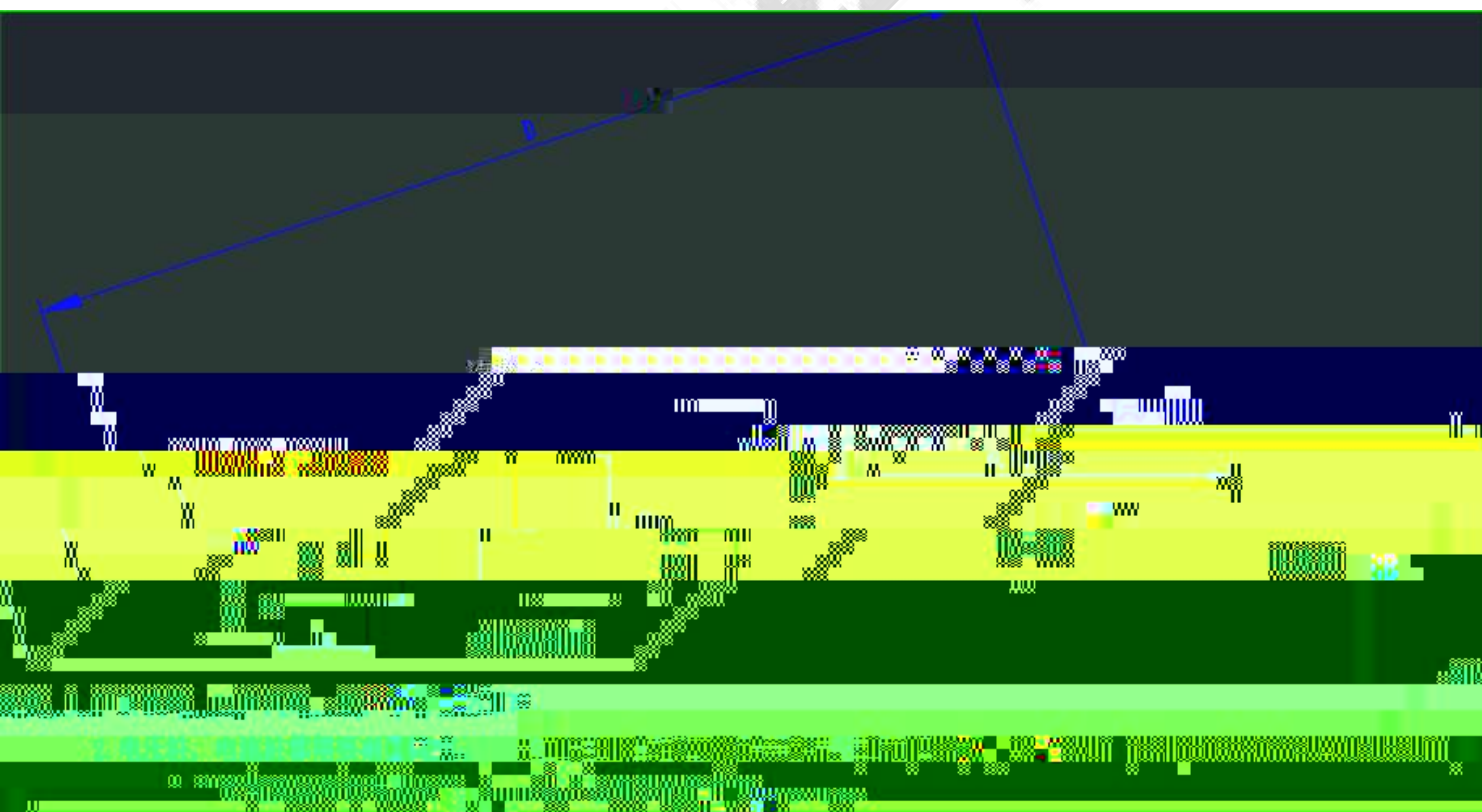
山

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赫兹电力
HERTZ POWER

宗旨：技术领先，质量可靠，轻便

宗旨：快速响应，服务周到，超

D 4 山

C1

山

C2 1

山

P3

1.8

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