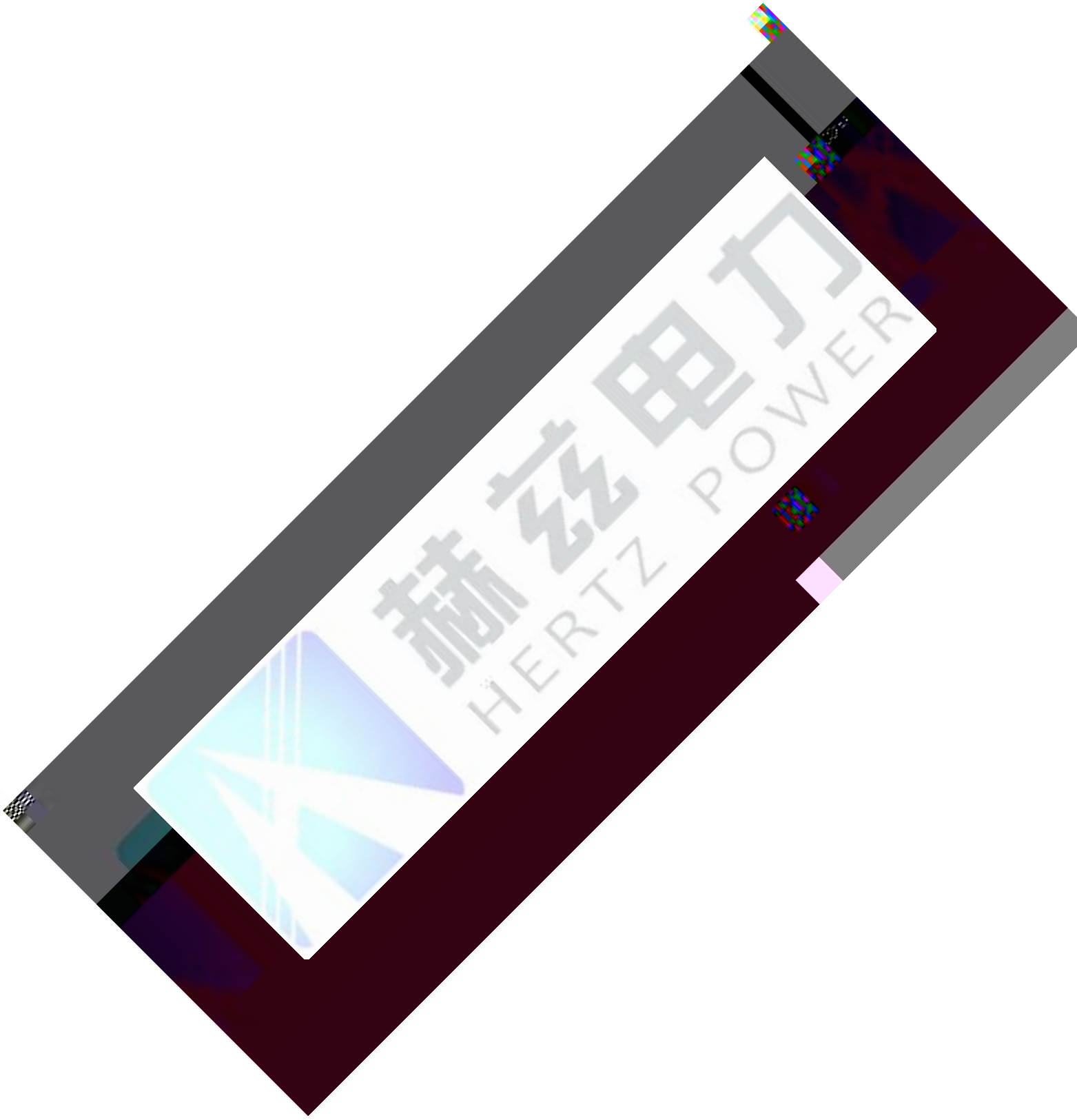


HZDW-EB



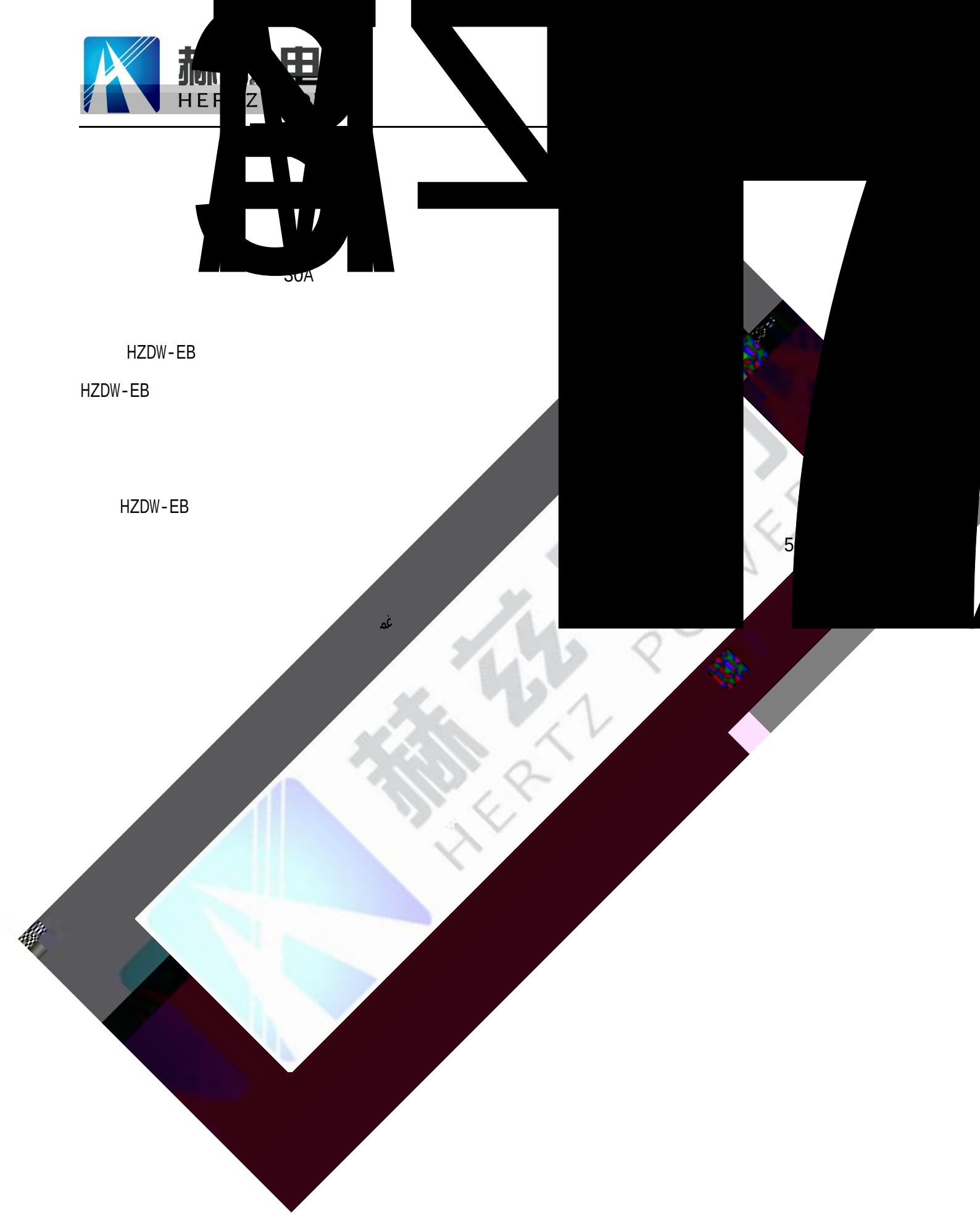
30A

HZDW-EB

HZDW-EB

HZDW-EB

5

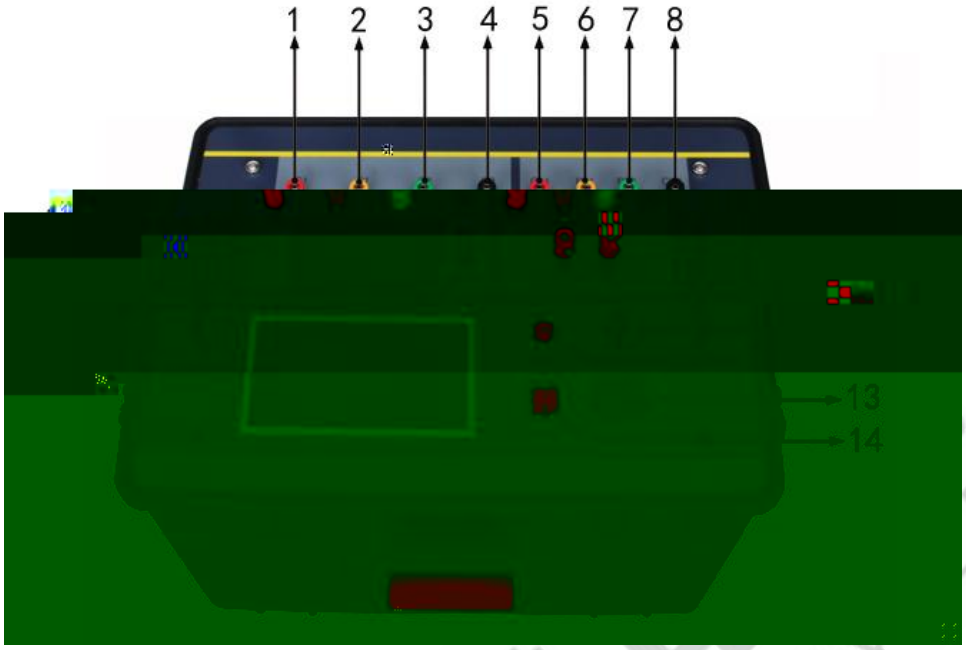


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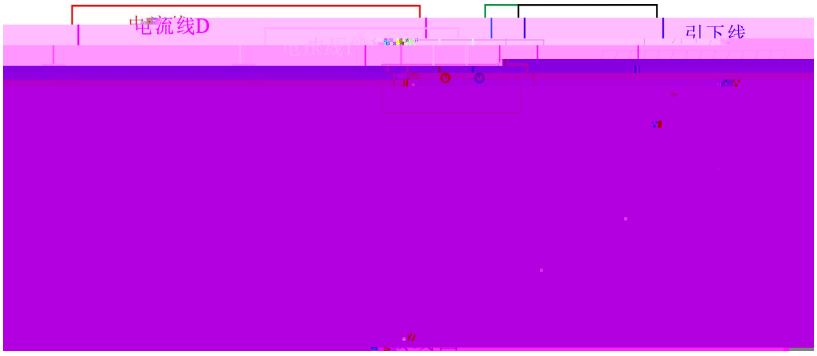


2

1	(C1)	2	(P1)	3	(P2)	4	(C2)
5	(C11)	6	(P11)	7	(P22)	8	(C22)
9		10					

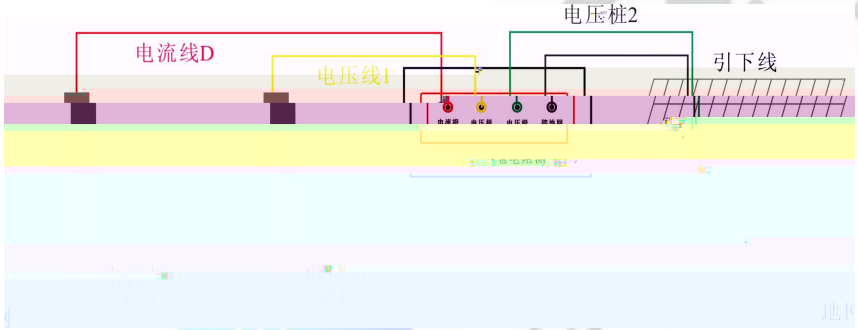
11：	12：	13：220V	14：
15：	16：232	17：U	18：

5,6,7,8,9,10



3

1	D	≥1.5mm²,		3	5
2	1	≥1.0 mm²,	0.618		
3	2				
4					



4

5 P2 C2

7.1

1

>0.5

2 1 0.618 3
5

3

3 4

4

5 AC 220V/50Hz

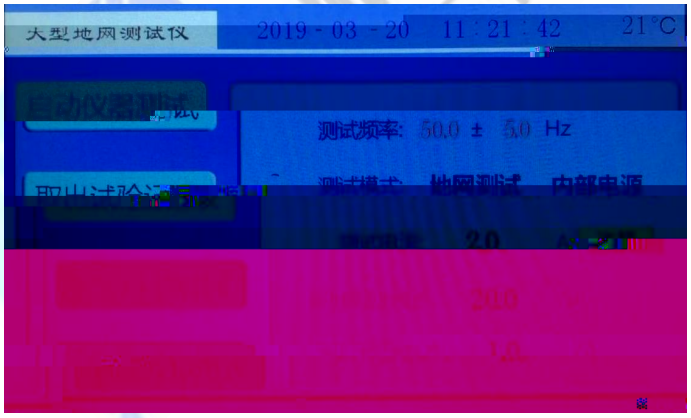
6

7

8

7.2

1. 5

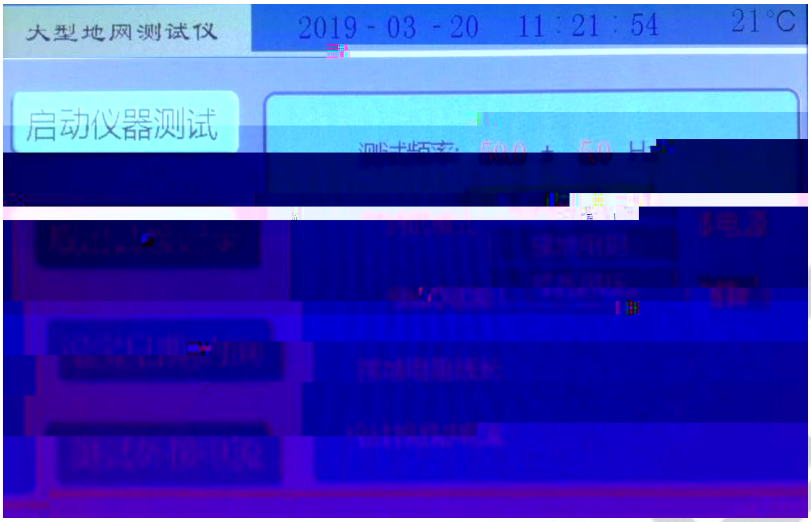


5

2

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

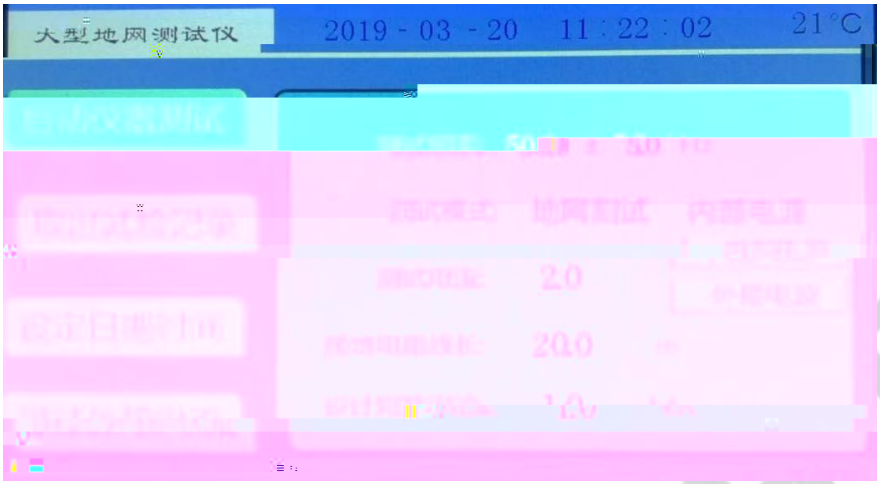
2) 6



6

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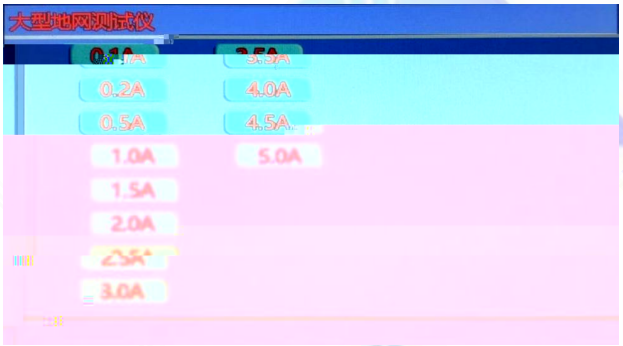
3) 7

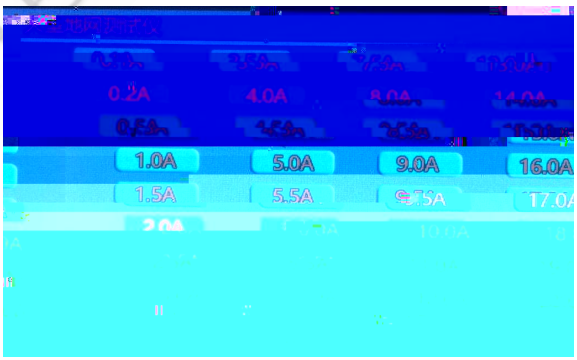


7

4) 2.0A 2.2A

8





8 5A 20A

5) 20

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6) 1kA

7) (5)

9



9

OK

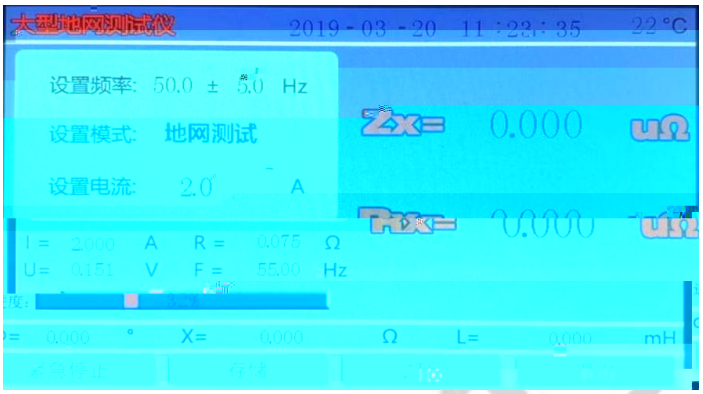
esc

7.3 ˝Y جی Ғ ŭ

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, . . (11) ,

(5)



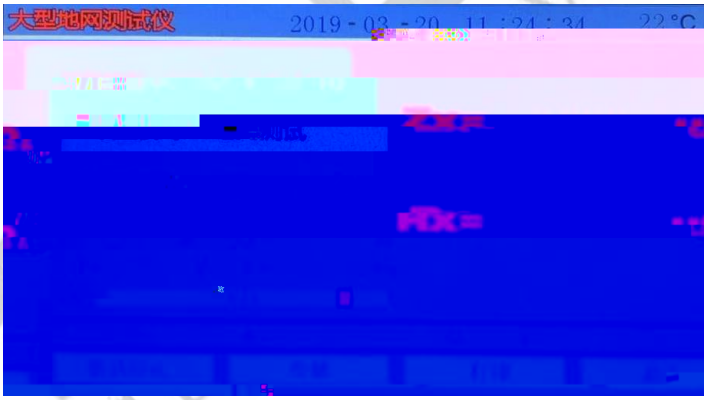
I=2.000A

U=0.151V

R=0.075Ω

F=55.00Hz (F1)

F=45.00Hz (F2)

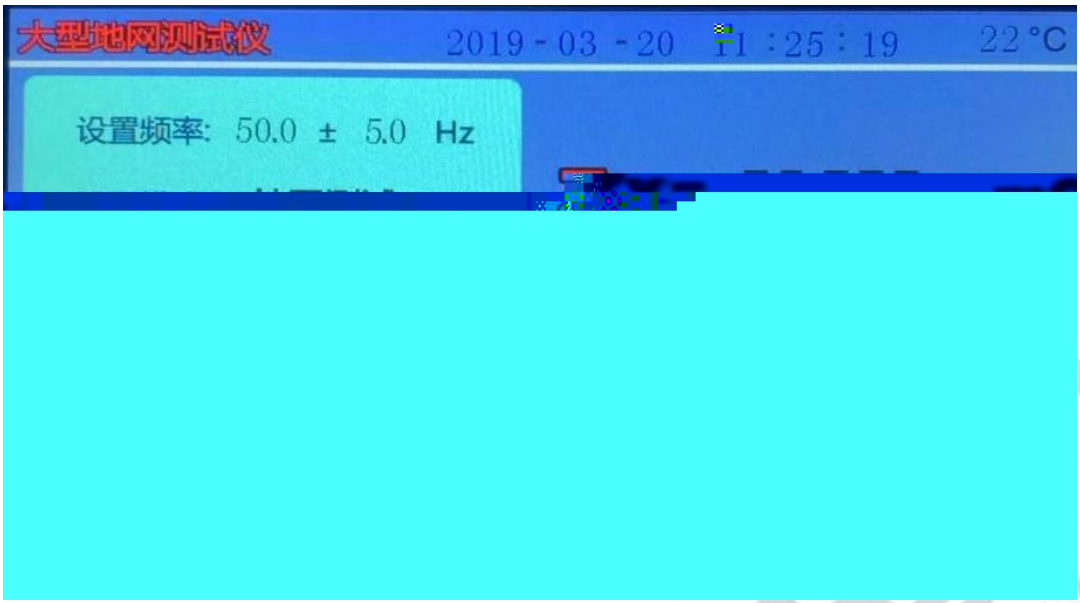


84% 84%

100%

11

12



12

Zx = 75.777mΩ :

Rx = 75.770mΩ :

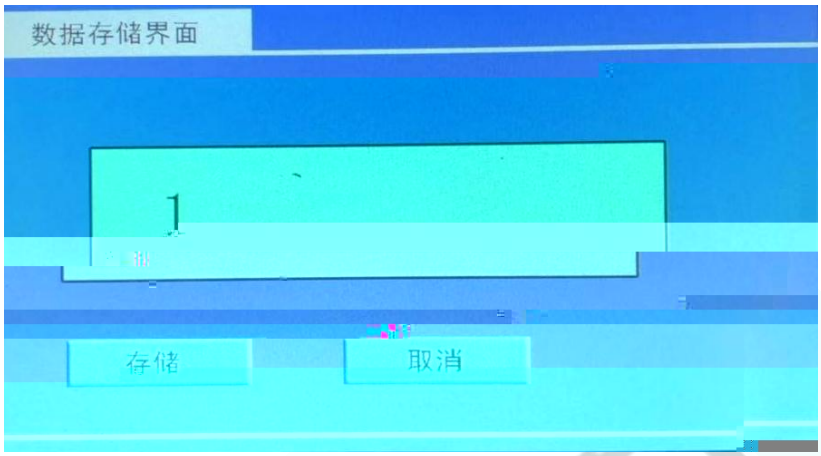
Φ = 0.769° :

X = 0.001Ω :

L = 0.003mH :

(5)

13



13

1.

2. ,

,

3. ,

7.4

(5) , 20

, 14

(14)

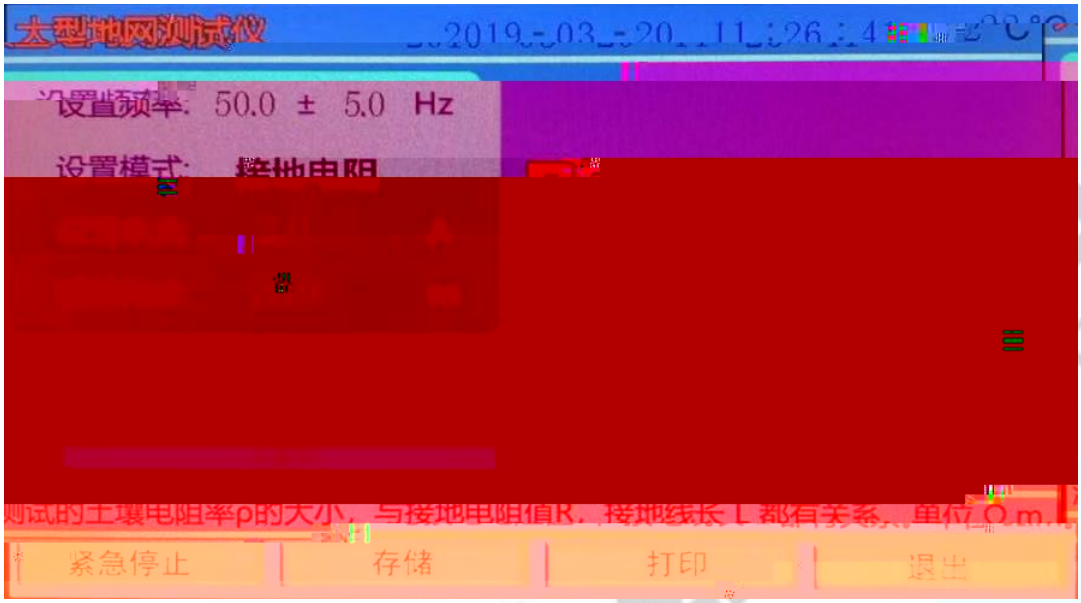
, . . (15)

, (5)

I=2.002A

100%

16



(16)

R = 76.138mΩ :

ρ=9.567Ω.m :

I=2.000A :

U=0.152V :

(5)

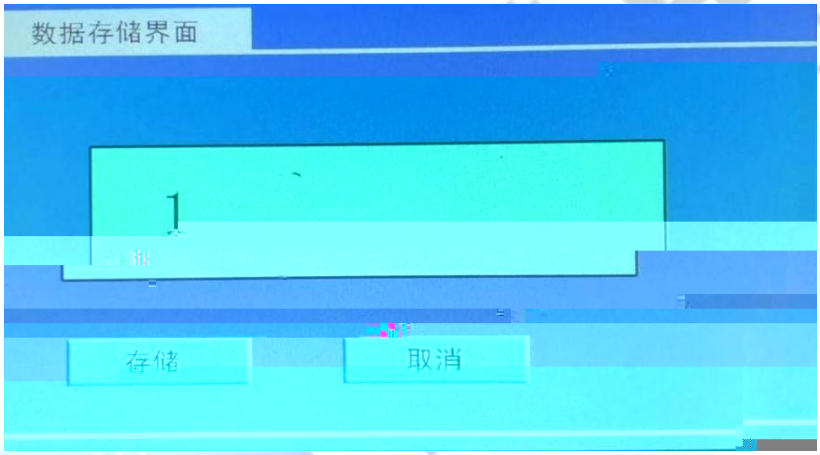
17

1.

2. ,

,

3. ,



17

7.5

(5) , 1kA

, 18

(18)

, . . (19)

, (5)

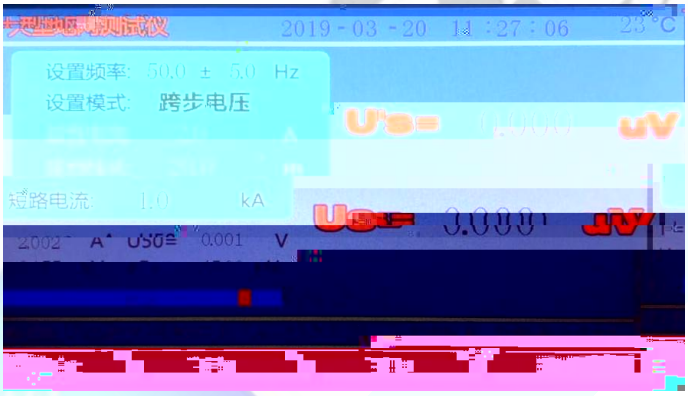
I=2.002A =

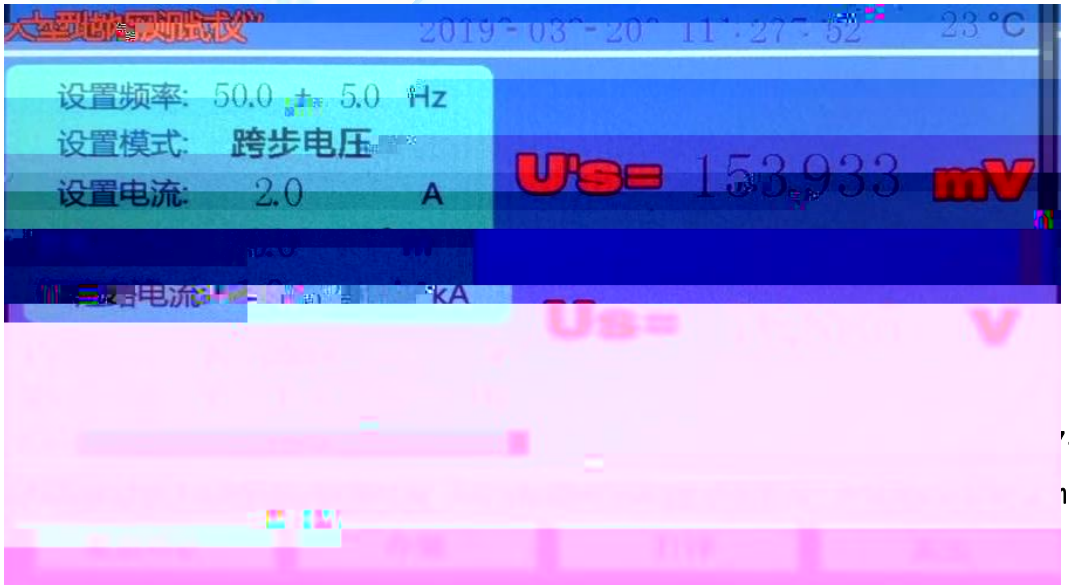
U0.2A0.2.

86% 86%

100%

(19)





20

(20)

U's =153.933mV :

Us = 76.895V :

U50 = 0.0001V :

U = 0.531 V :

I = 2.001 A ;

(5)

21

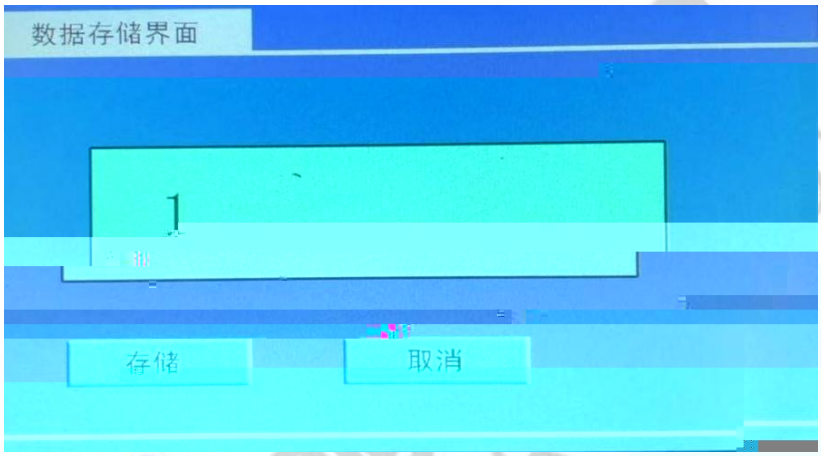
1.

2. ,

，

3. ，

21



7.6

1

2

3 0.0A

0.5m 80Ω

4 0.01Ω

5 C1 20

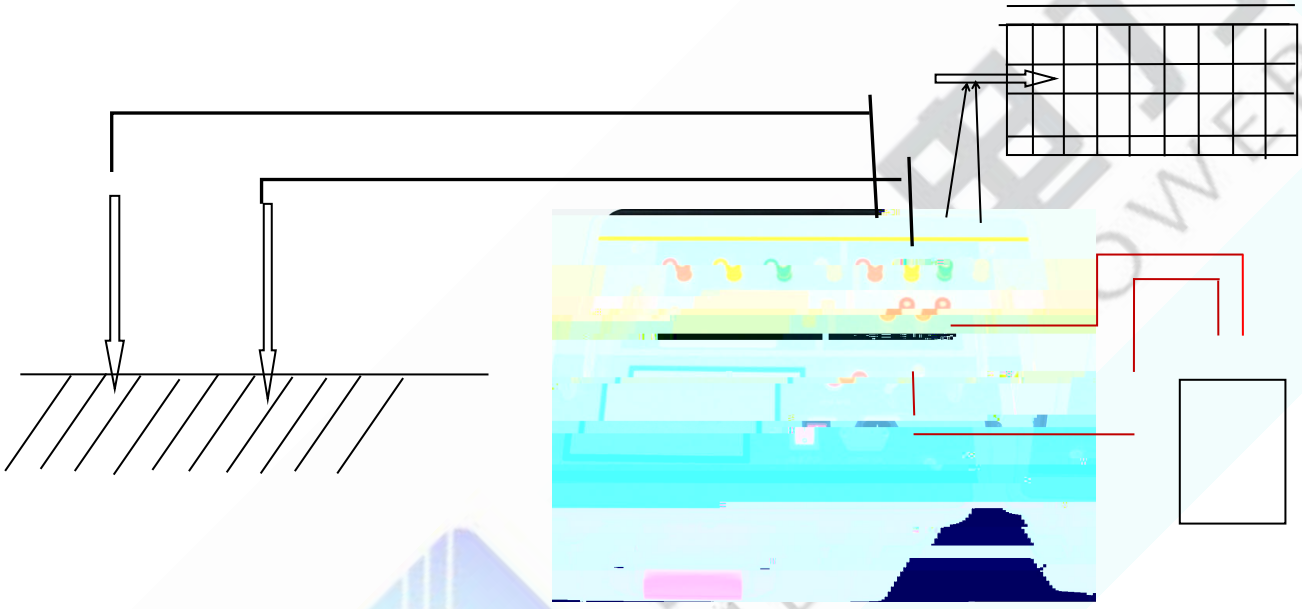
6

7

8 ,

4

.



1.

2.

3.

4.

5.

6.

C1/P1 C2/P2

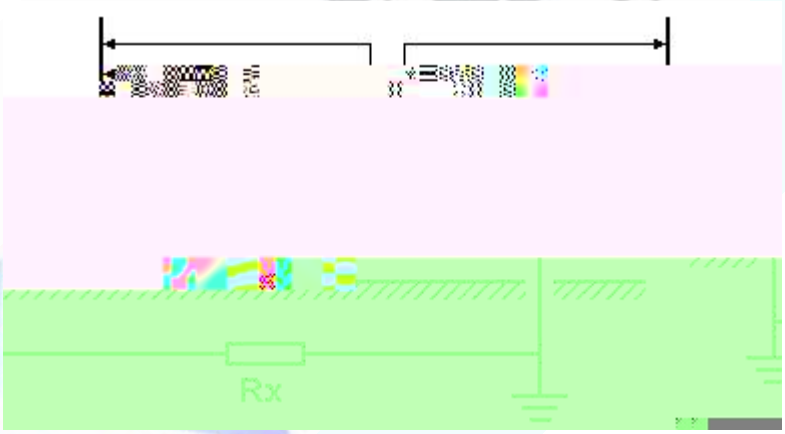
1

2

3

4 2A

2A



12



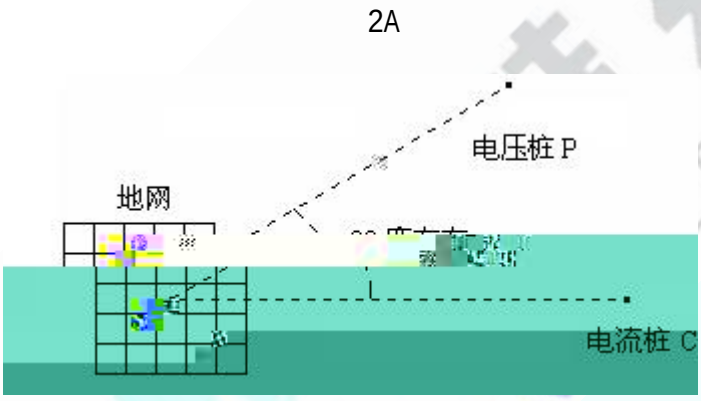
C dCG 4~5 dPG dCG

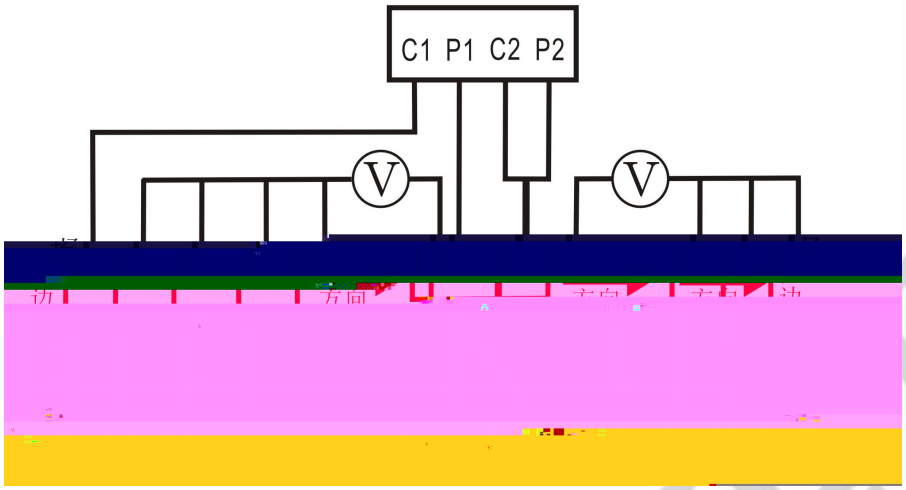
$$Z = \frac{Z'}{1 - \frac{D}{2}\left[\frac{1}{d_{AG}} + \frac{1}{d_{CG}} - \frac{1}{\sqrt{d^2_{AG} + d^2_{CG} - 2d_{AG}d_{CG}\cos\theta}}\right]}$$ 公式 (1)

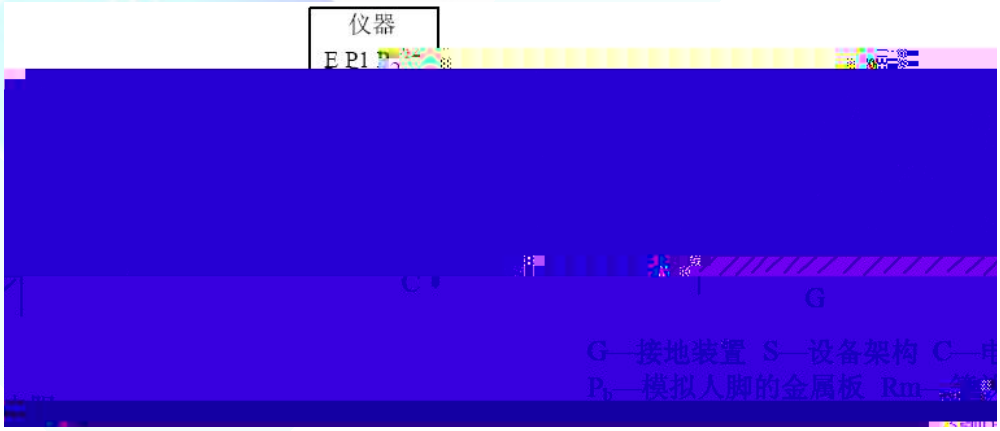
θ —

Z'—

dPG dCG θ 30 ° dPG=dCG=2D



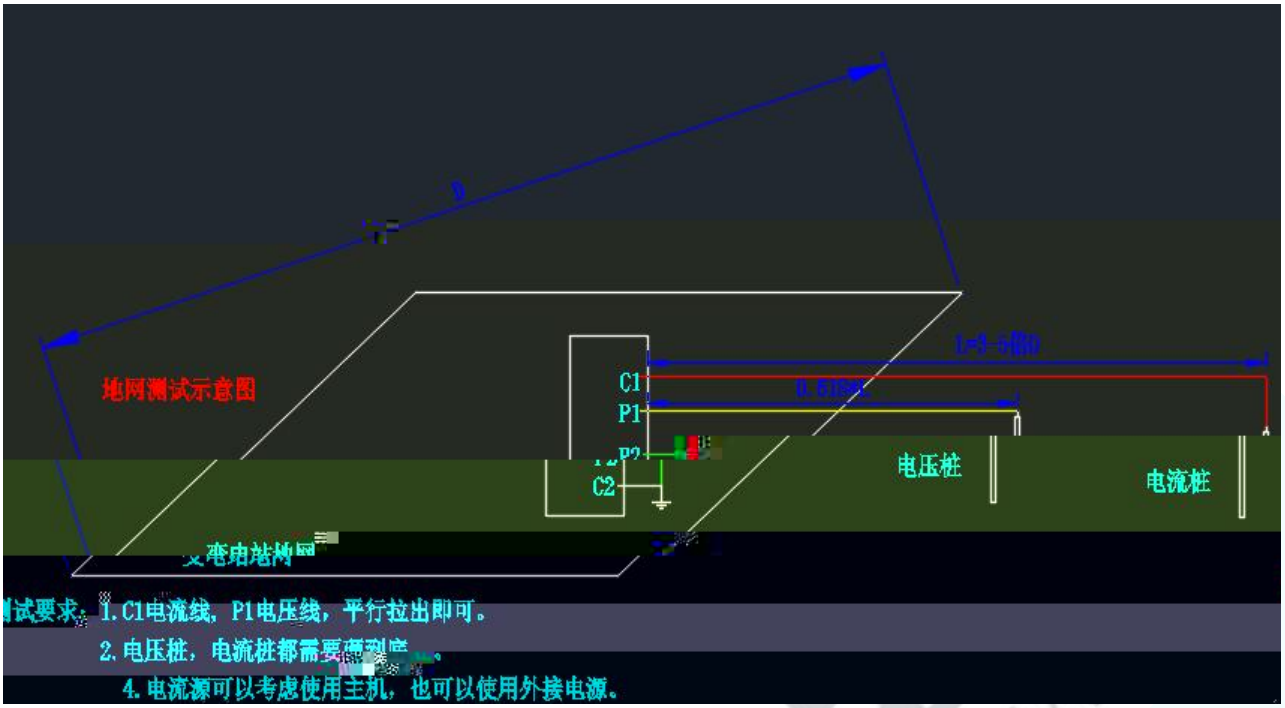


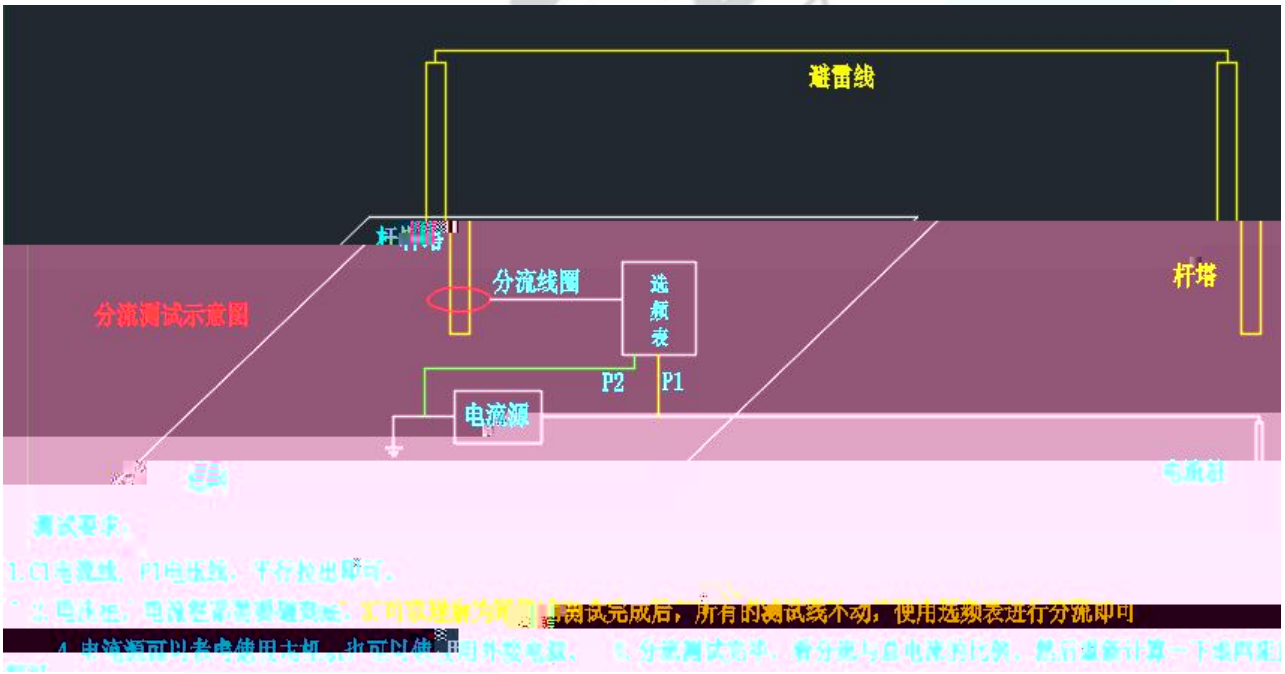


D 4





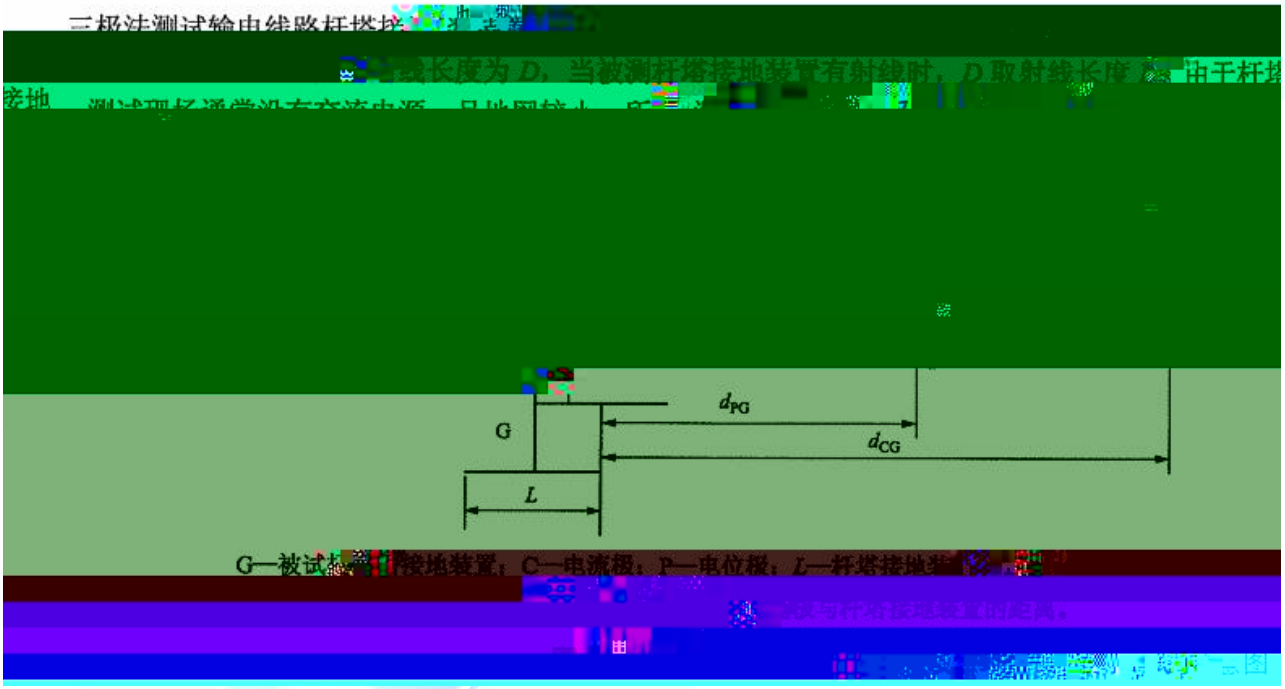

地网测试示意图
C1
P1
P2
C2
电压桩
电流桩
变电站内
1.C1电流线，P1电压线，平行拉出即可。
2.电压桩，电流桩都需要垂直。
4.电流源可以考虑使用主机，也可以使用外接电源。

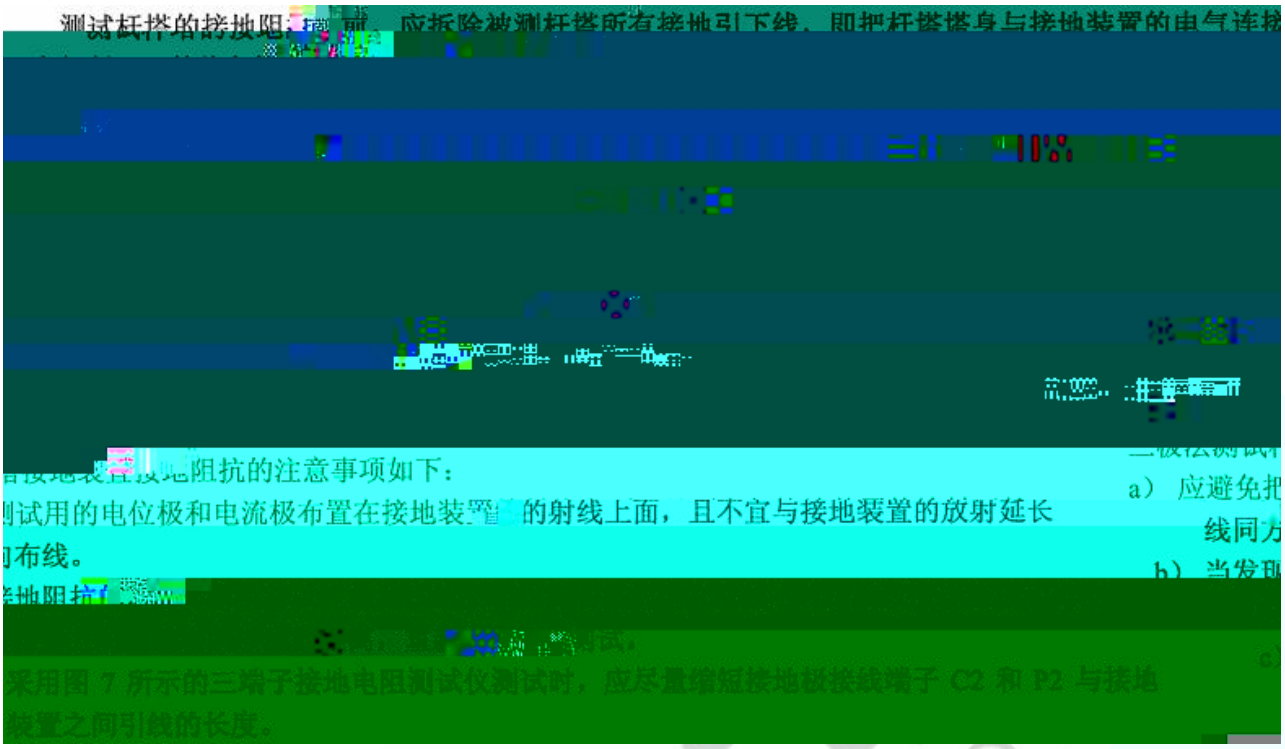

避雷线
杆塔
分流线圈
选频表
分流测试示意图
P2
P1
电流源
杆塔
满试完成后，所有的测试线不动，使用选频表进行分流即可

7 输电线路杆塔接地装置的接地阻抗测试



7.2.1 测试方法





7.3 回路阻抗法

7.3.1 适用条件

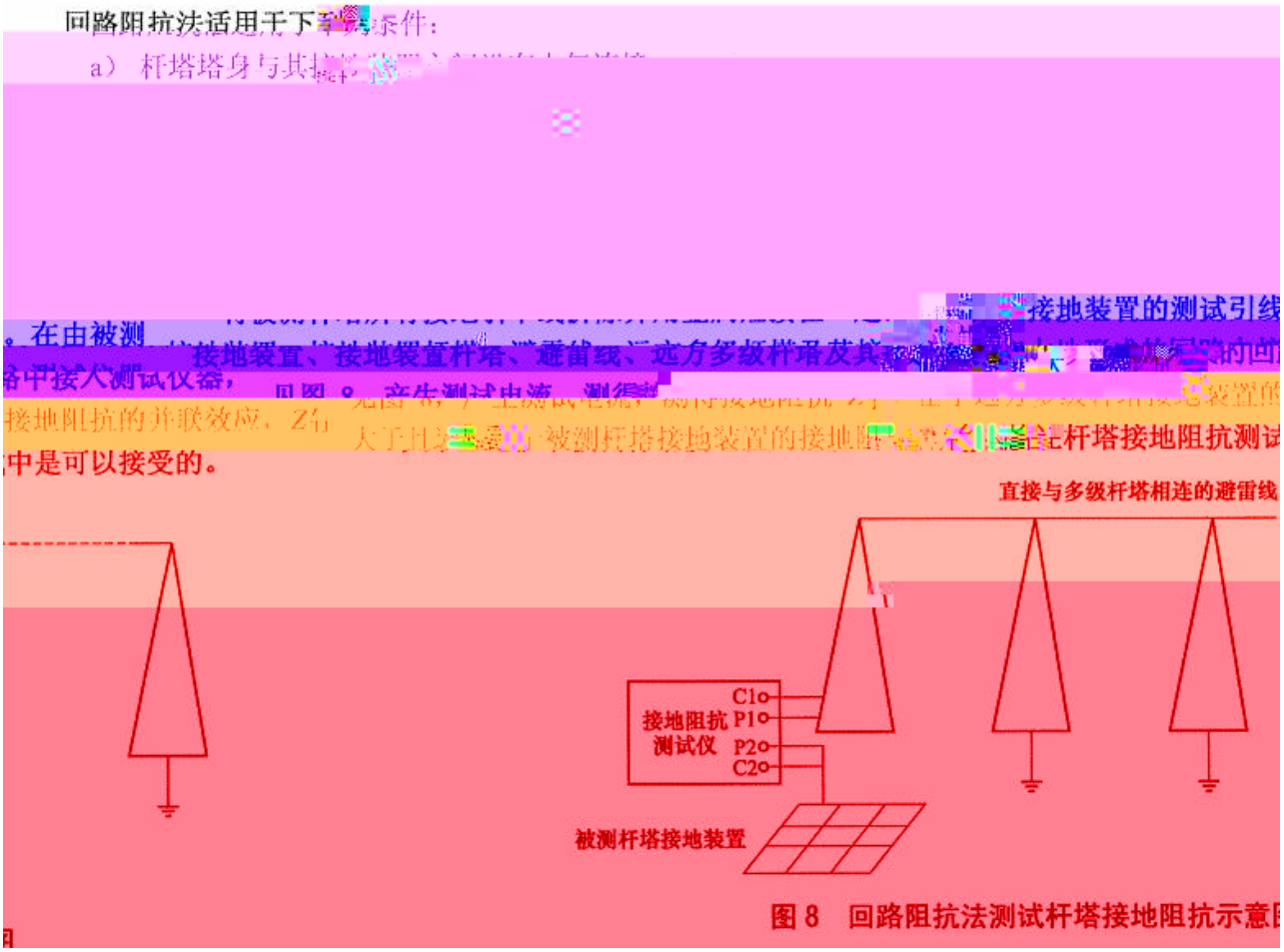


图 8 回路阻抗法测试杆塔接地阻抗示意

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子实测阻值大或过小（如大于500Ω或小于2Ω），或者超过经验值，应用三极法验证。

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“

”　　“　　”

1

2

1.

2.

□　　□　　□　　□

1

2

3　　2　　24

027-83267669

24　　48

4