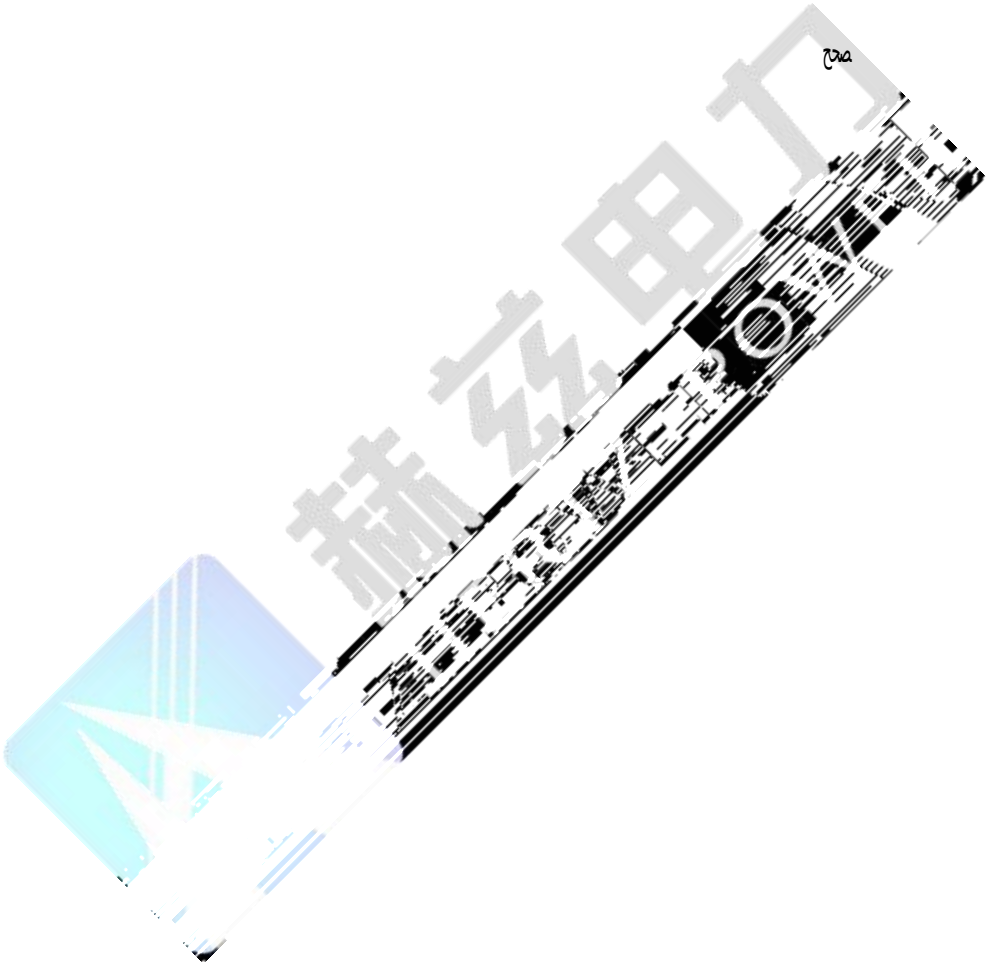
HZDW-DB



30A

HZDW-DB

HZDW-DB

50Hz

1. 0.1Hz， 10Hz
50hz 60hz
2. ， ，
3. 0.005Ω，
4.
5. ， ，
6. ， ，
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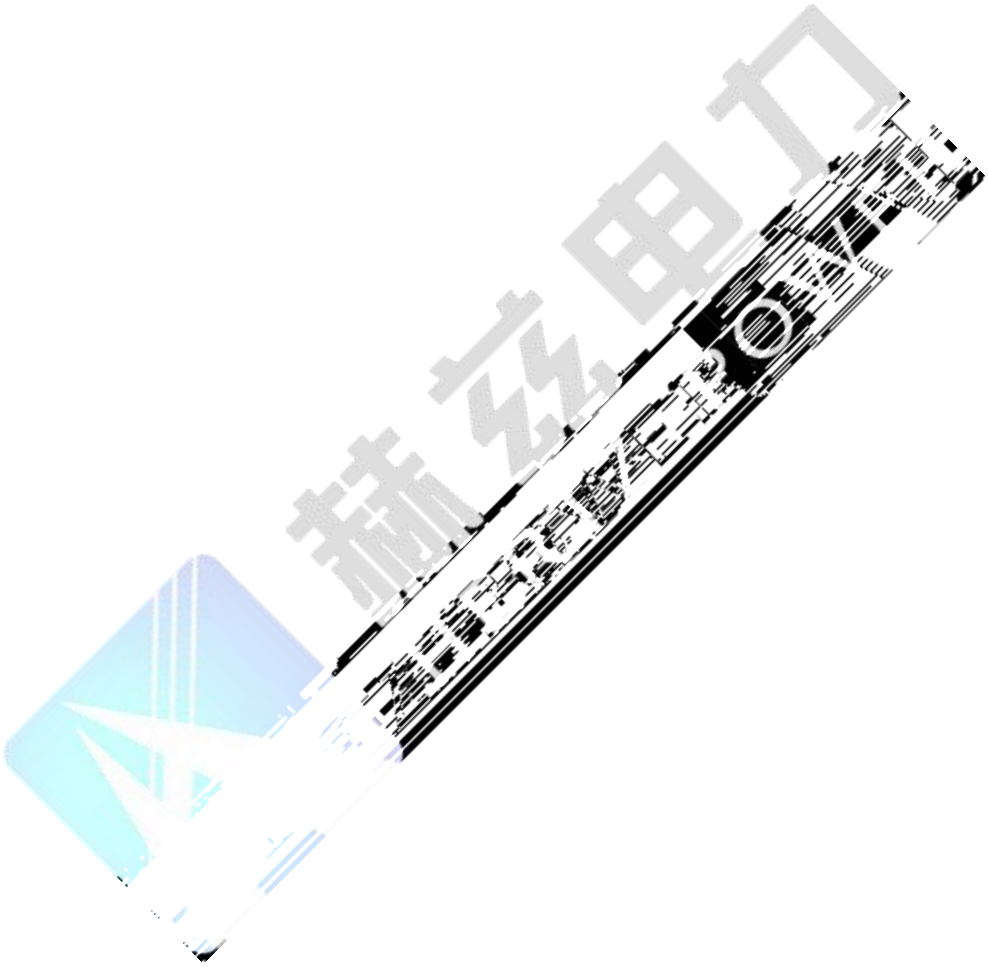
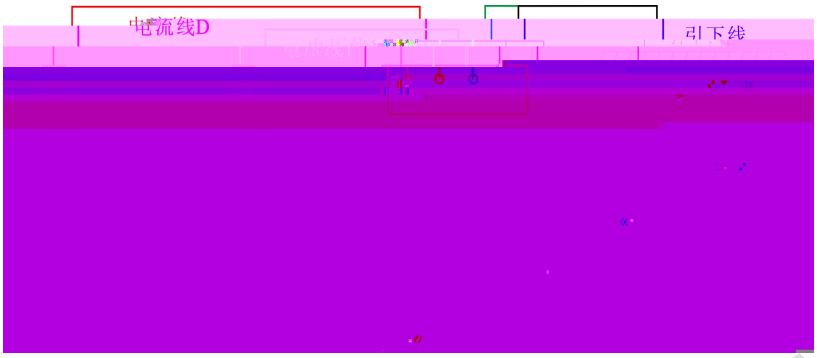
7. U PC ，
8.
9. ， .
10.

11.

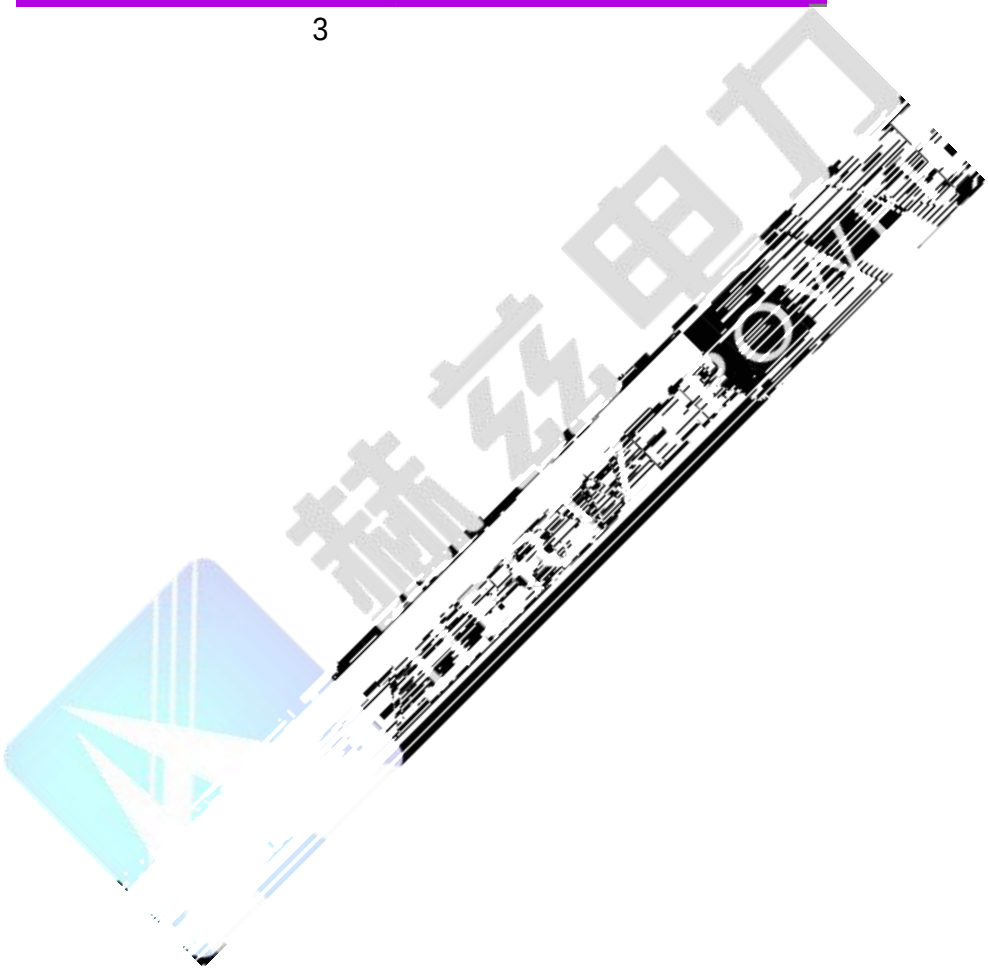
12.

13. 30A m" ظم Ď مح ظم Ď مح ɔ سي





3



4

5 AC 220V/50Hz

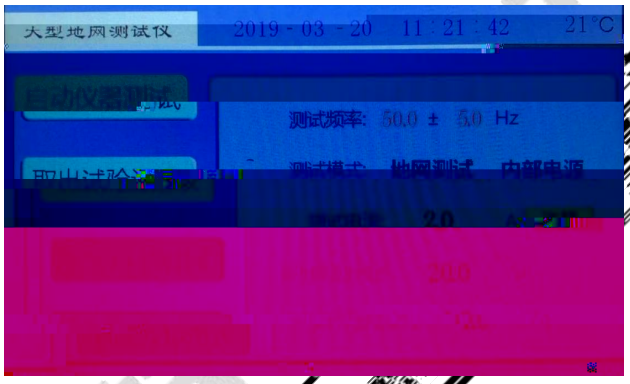
6

7

8

7.2

1. 5



5

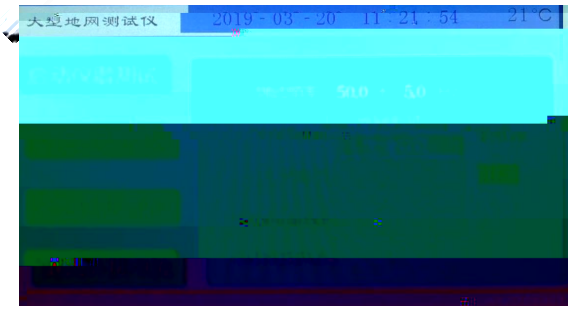
2

1) 50.0±5.0Hz 45/55Hz 50±5Hz

60±5Hz 50Hz 50.0±0.0Hz

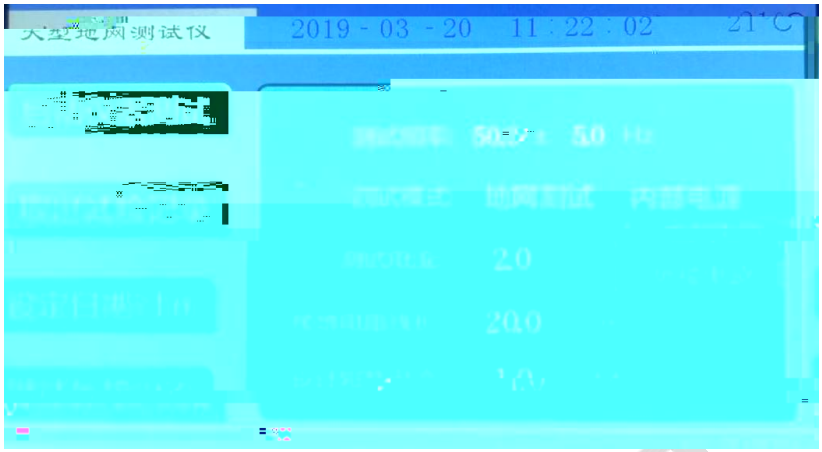
40-70HZ

2) 6



6

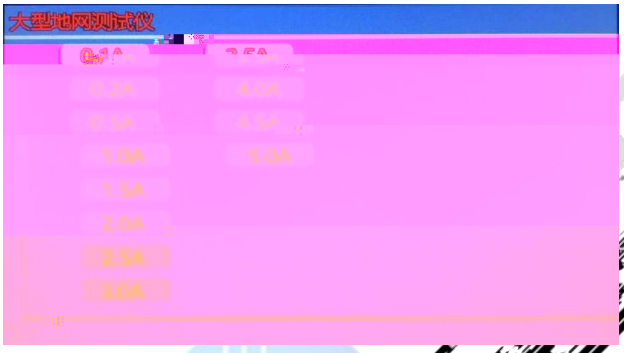
3) 7

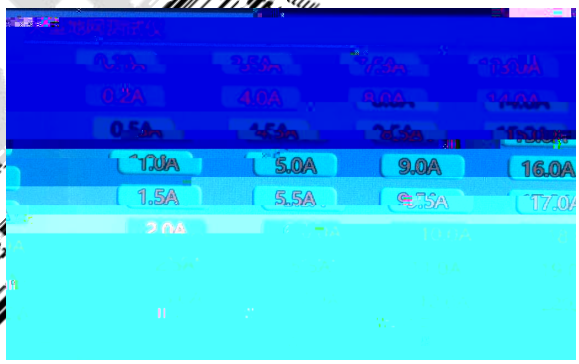


7

4) 2.0A

8





8 5A 20A

5) 20

6) 1kA

7) (5)

9

9

OK

esc

7.3 AÐ
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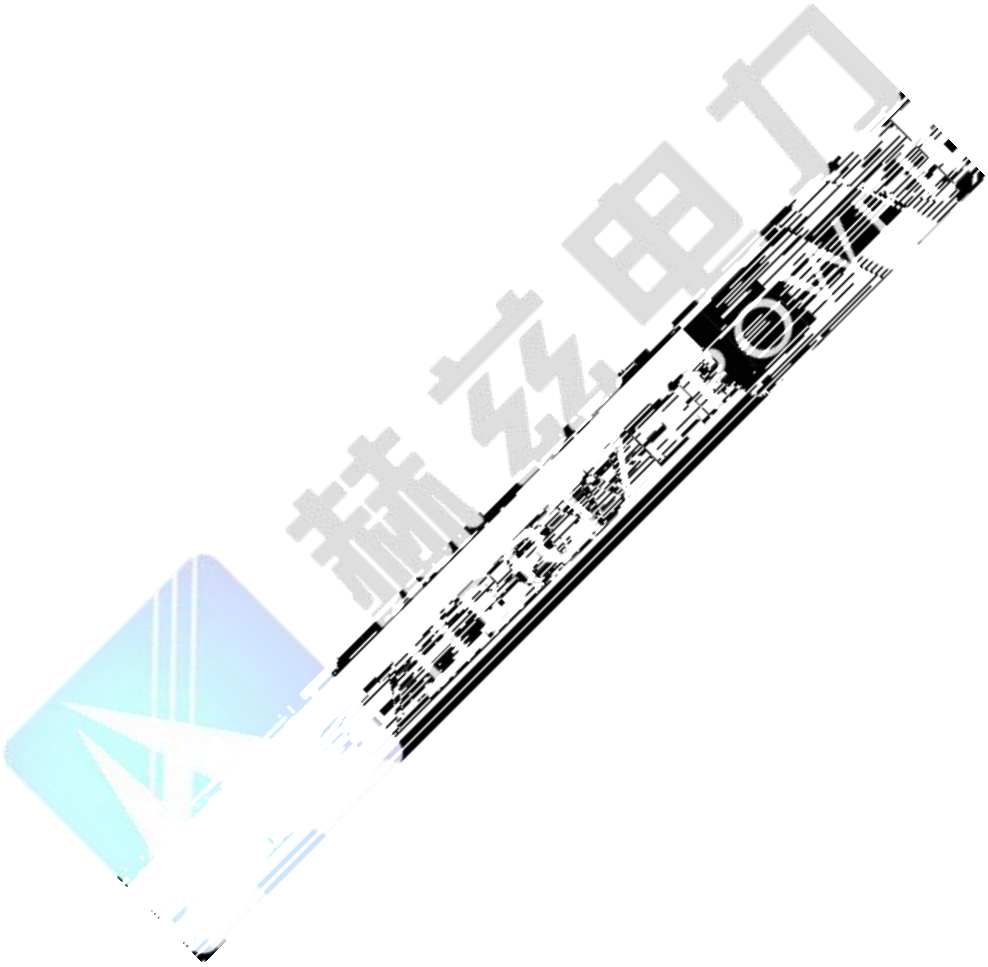
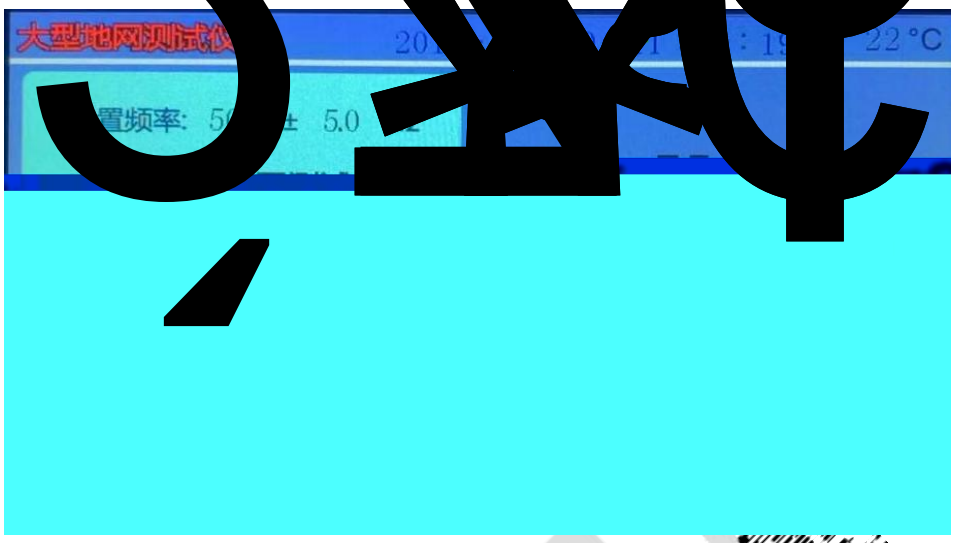
Q (5) Ŗ ,
, Ł! BÔ P Φ لہ



12



12

Zx = 75.777mΩ :

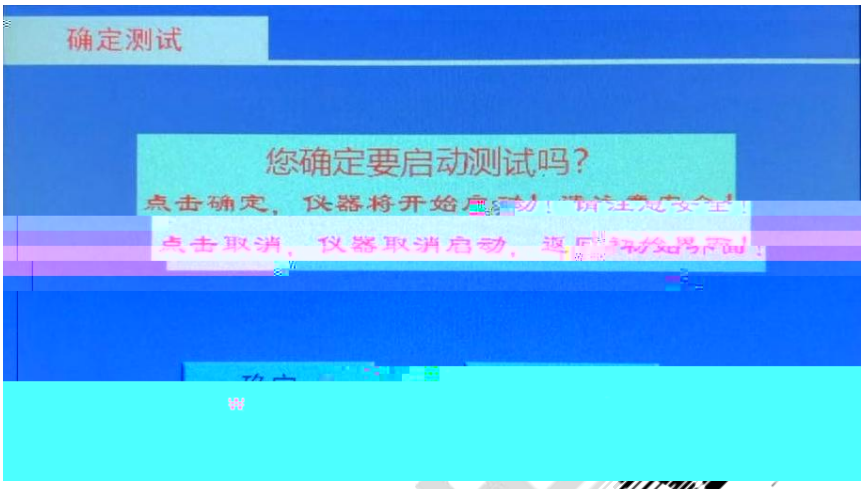
Rx = 75.770mΩ :

Φ = 0.769

7.4

(5) , 20

, 14



14

, . . (15)

, (5)

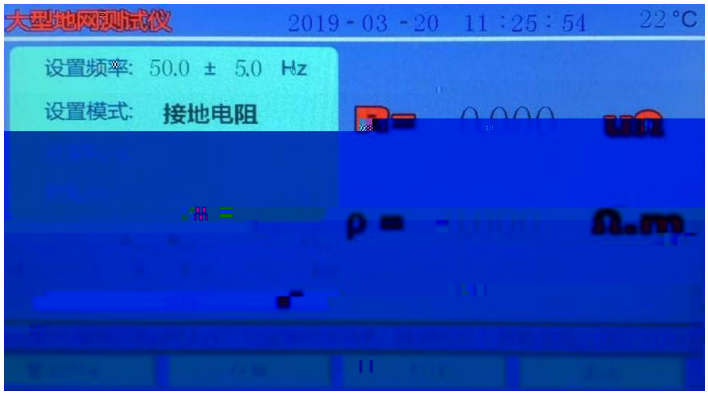
I=2.002A

U=0.153V

R=0.076Ω

F=55.00Hz (F1)

F=45.00Hz (F2)

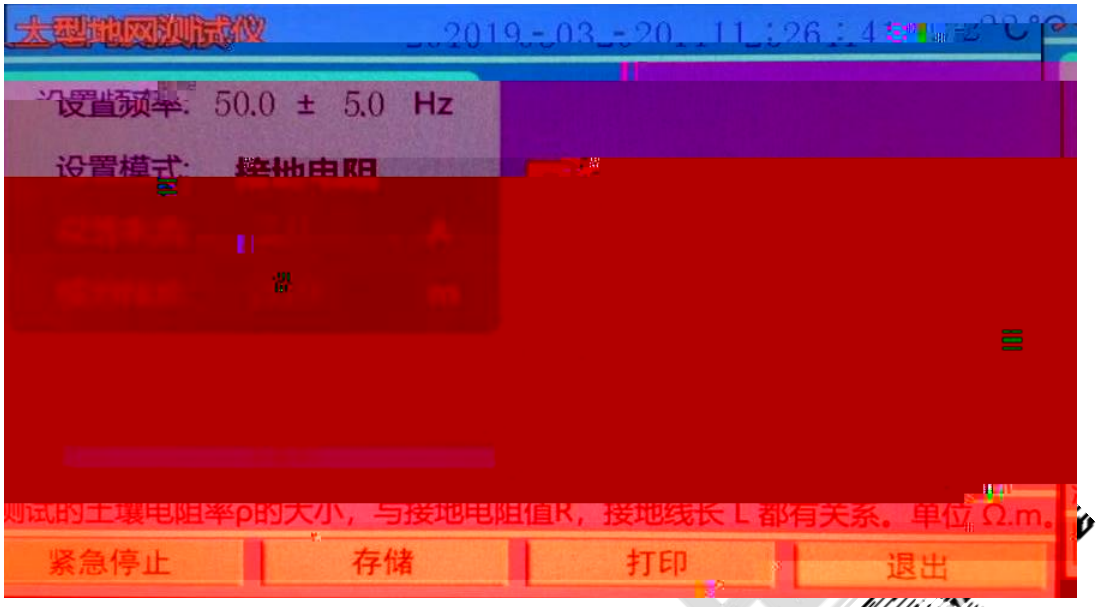


84% 84%

100%

15

16



16

R = 76.138mΩ :

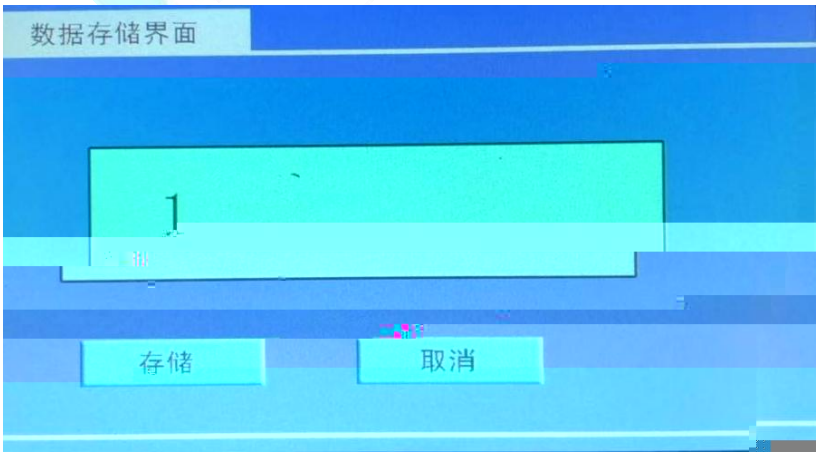
ρ=9.567Ω.m :

I=2.000A :

U=0.152V :

(5)

17



17

1.

2. ，

，

3. ，

7.5

1

2

3 0.0A

0.5m 80Ω

4 0.01Ω

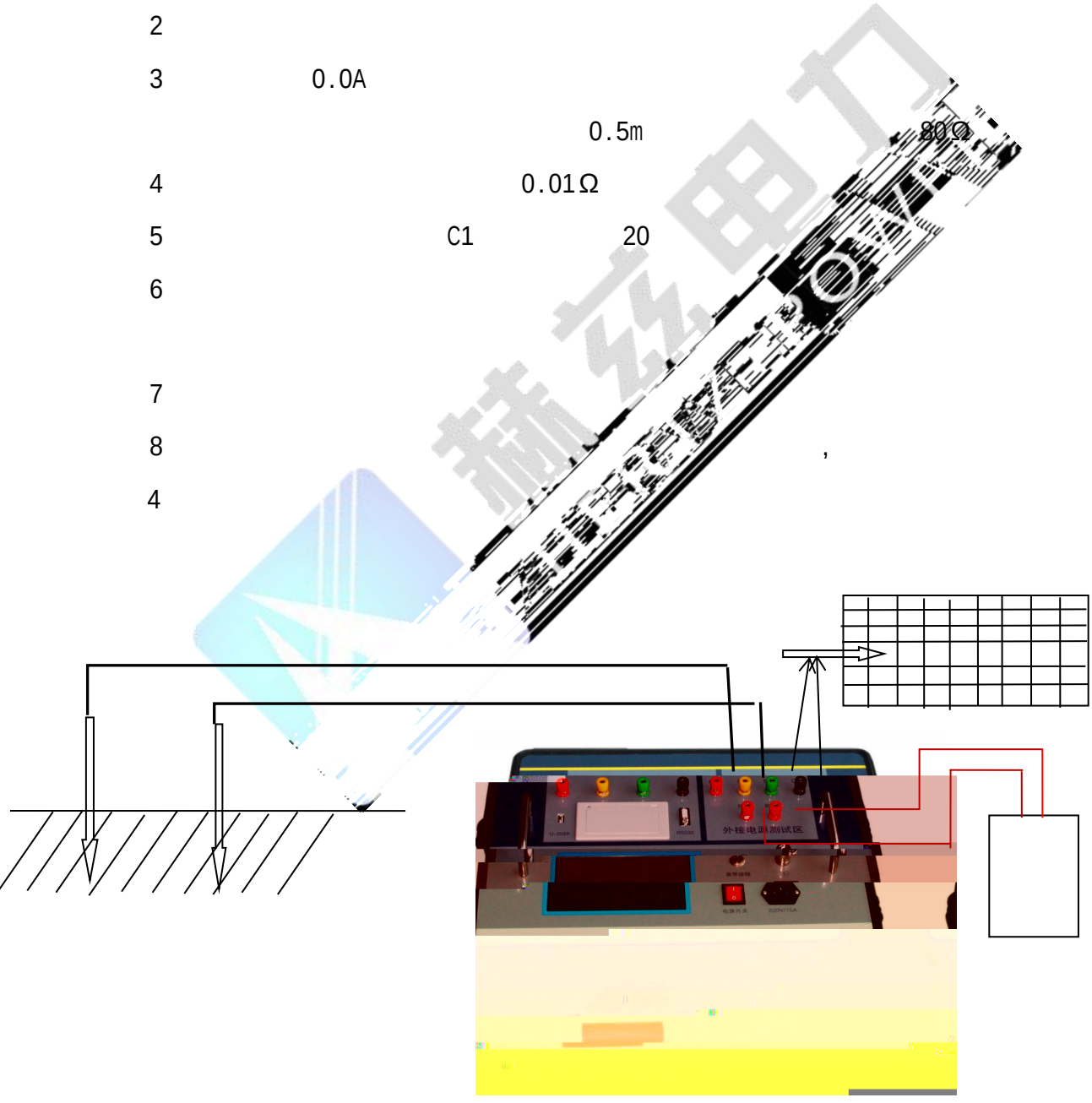
5 C1 20

6

7

8 ，

4



1.

2.

3.

4.

5.

6.

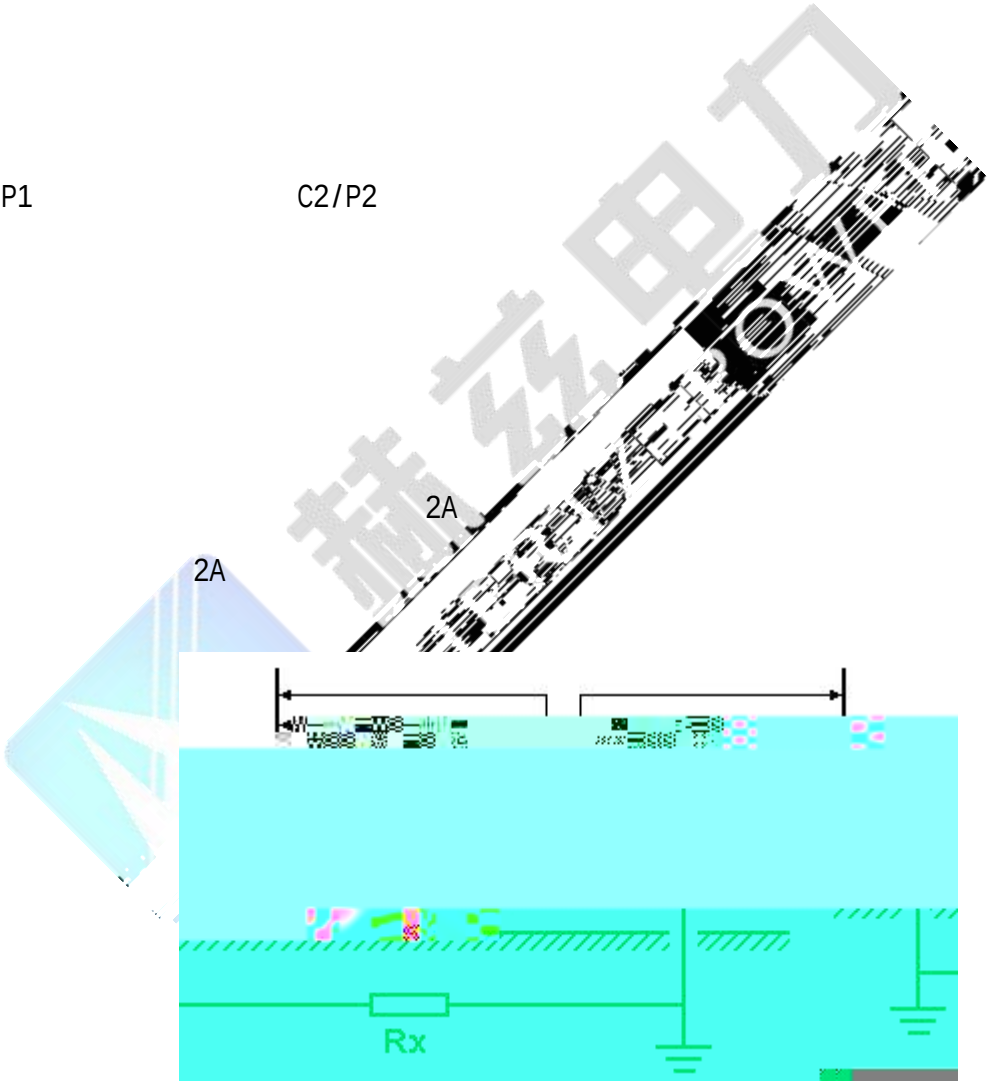
C1/P1 C2/P2

1

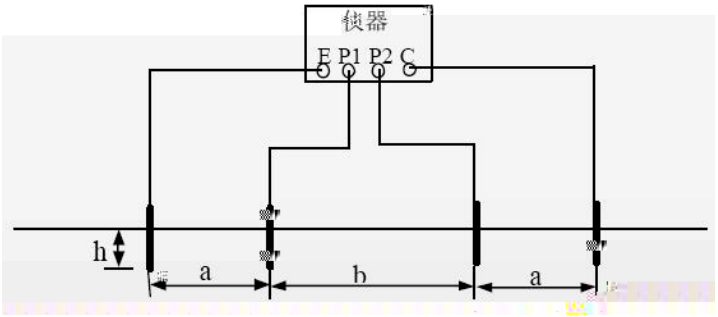
2

3

4



12



12

a b h a=b

a b h, a b>10h

1.5cm 25mm × 25mm × 4mm 40cm

Z

ρ

ρ = π a(a+b)Z/b

a>>h b>>h

a=b ρ =2 π aZ

C

dCG 4~5 dPG dCG

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

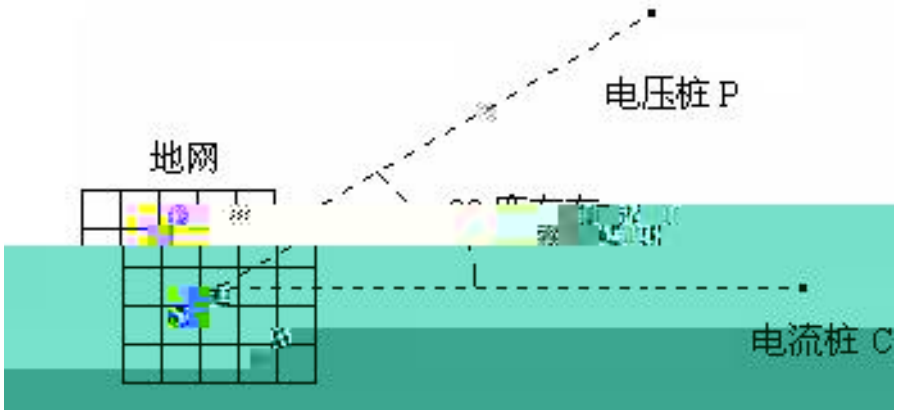
θ —

Z'—

dPG dCG θ 30 °

dPG=dCG=2D

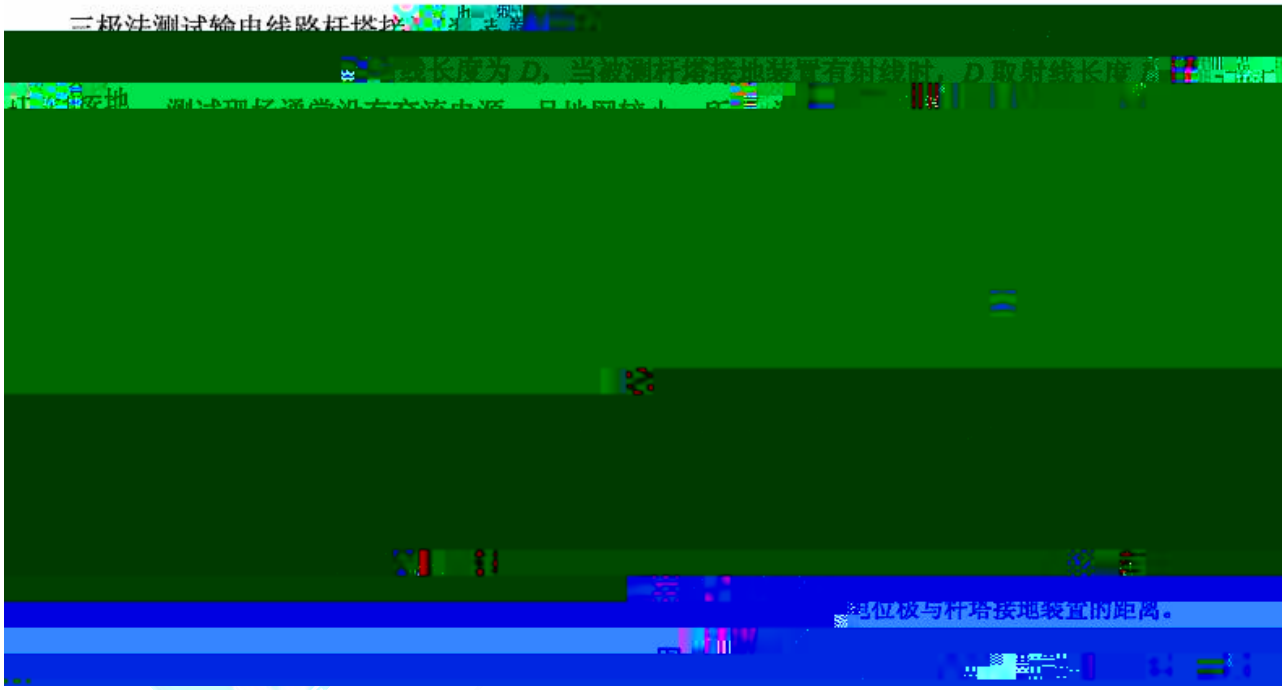
2A



1	
2	
3	
4	
5 P1 P2 5m	
6 (C1 C2 3m	
7 ( )	
8	
9	
10	
11	

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



测试杆塔的接地阻抗时，应拆除被测杆塔所有接地引下线，即把杆塔塔身与接地装置的电气连接

[illegible]布线。

[illegible]实测值与以往的测试结果相比有明显的增大或减小时，应改变电流极和电位极的布置方向，或增大放线的距离，重新[illegible]测试。

采用图 7 所示的三端子接地电阻测试仪测试时，应尽量缩短接地极接线端子 C2 和 P2 与接地装置之间引线的长度。

7.3 回路阻抗法

7.3.1 适用条件

回路阻抗法适用于下[illegible]条件：

a） 杆塔塔身与其[illegible]

[illegible]接地装置的测试引线

[illegible]。在由被测[illegible]接地装置、接地装置杆塔、避雷线、远方多级杆塔及其[illegible]的回路中接入测试仪器，[illegible]见图 8。[illegible]

[illegible]的接地阻抗的并联效应，Z[illegible]大于且[illegible]被测杆塔接地装置的接地阻[illegible]杆塔接地阻抗测试中是可以接受的。

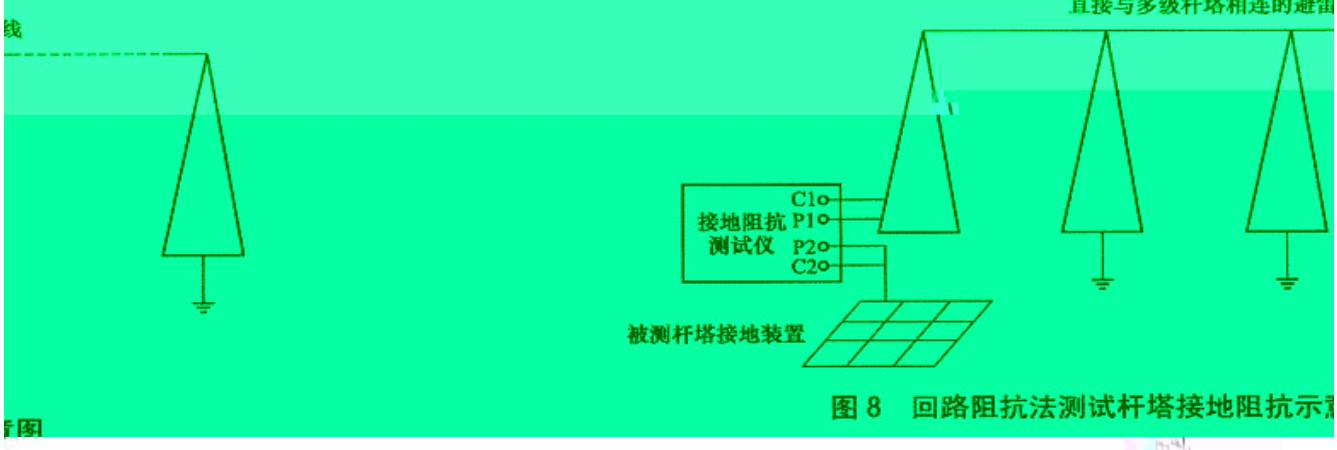


图 8 回路阻抗法测试杆塔接地阻抗示意图

[illegible]实测值远大于或远小于（如大于5Ω或小于2Ω），或者超过经验值，应用三极法验证。

“

”　　“　　”

1

2

1.

2.

□　□　□　□

1

2

3　　2　　24

027-83267669

24　　48

4