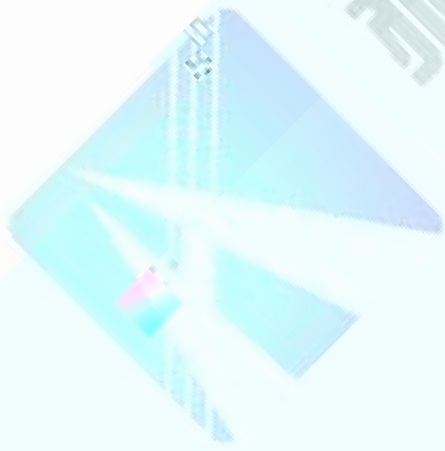
赫兹电力
HERTZ POWER



[illegible]

[illegible]

[illegible]

[illegible]

‰

[illegible]

[illegible] HZDW-F [illegible]

[illegible] HZDW-F [illegible] 50Hz ‰ [illegible]

[illegible]

1. [illegible] 0.1Hz, [illegible] 10Hz [illegible] 50hz 60hz [illegible]
2. [illegible]
3. [illegible] 0.005ß, [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

赫兹电力
HERTZ POWER

1 à R_0 5 200 ß

2 à R_x 0 200 ß

3 à R_f ‰

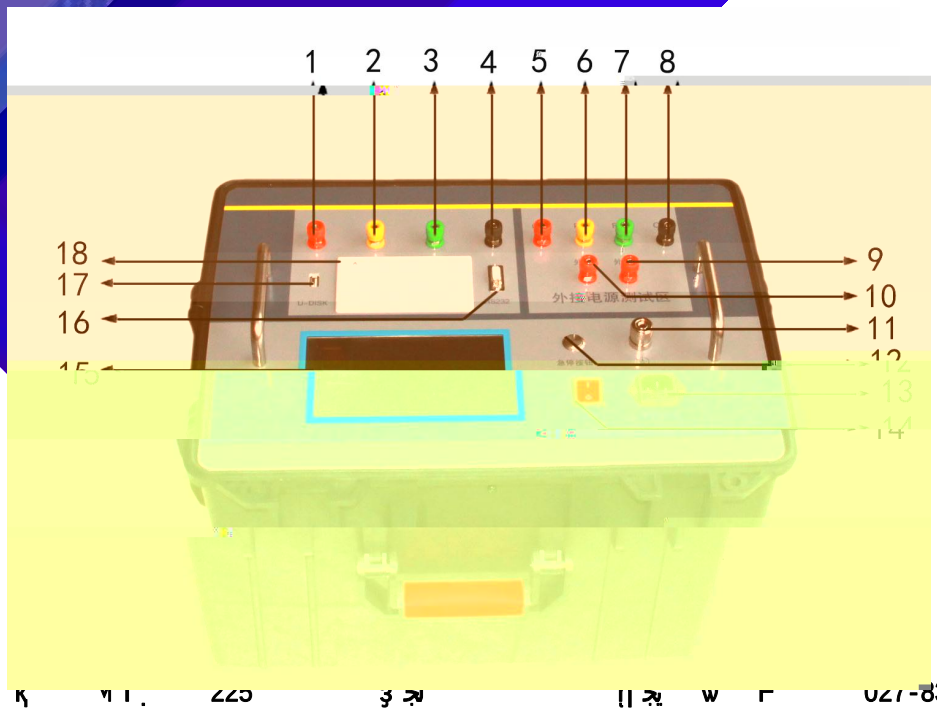
4 à D ضر 3 5 Ò ů 1.5mm²

5 à 1 1 0.618D ů 1.0mm²

6 à 2 ضر

7 à ضر ضر

Л à :



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يح 2 يح

1' (C1) 2' ١ (P1) 3' ١ (P2) 4' ضر (C2)

5' (C11) 6' ١ (P11) 7' ١ (P22) 8' ضر (C22)

9' 10'

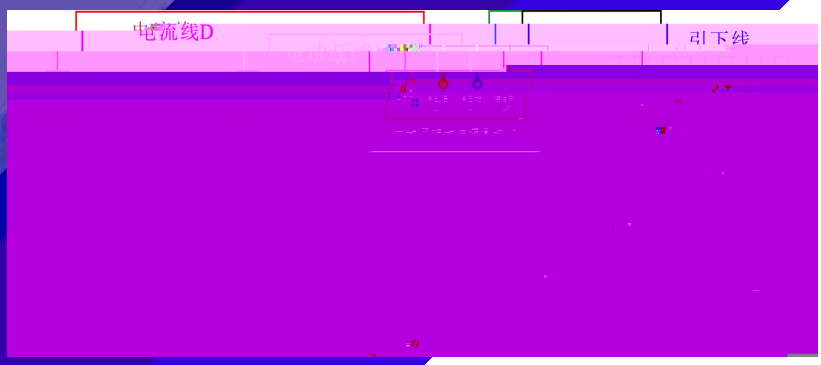
11: ضر 12: Å 13:220V 14:

15: 16:232 ¥o 17:U o 18: ٩

' 5,6,7,8,9,10 ˘ . ضي Ŗ ą Â

ą ṕ Ŗ ٩˝ Â

Ɛ à



يح 3 ^^ يح

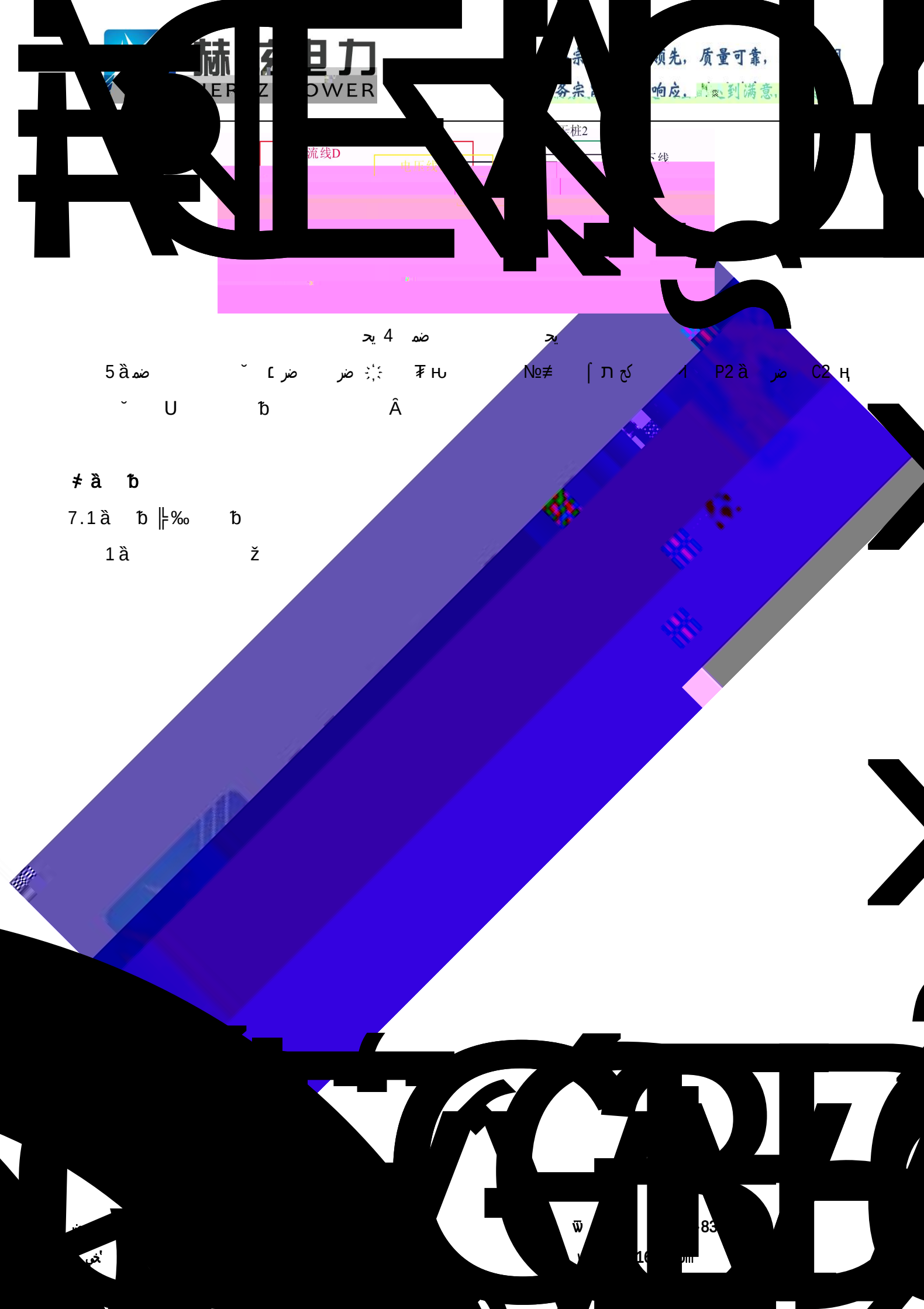
1 à D' ů 1.5mm², ٩ ضر 3 · 5 Ò'

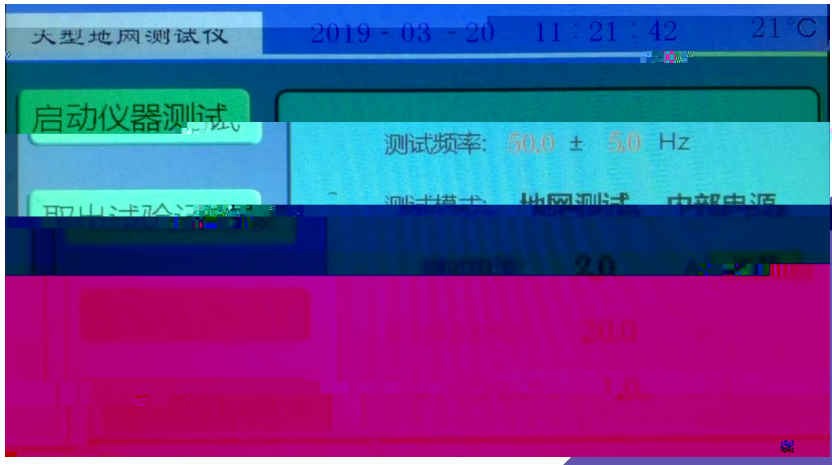
2 à ١ 1' ů 1.0 mm², ٩ 0.618 Ò '

3 à ١ 2' ضر ŵ Ŋ Â

4 à ضر ' ضر ŵ Ŋ Â

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流线D
桩2

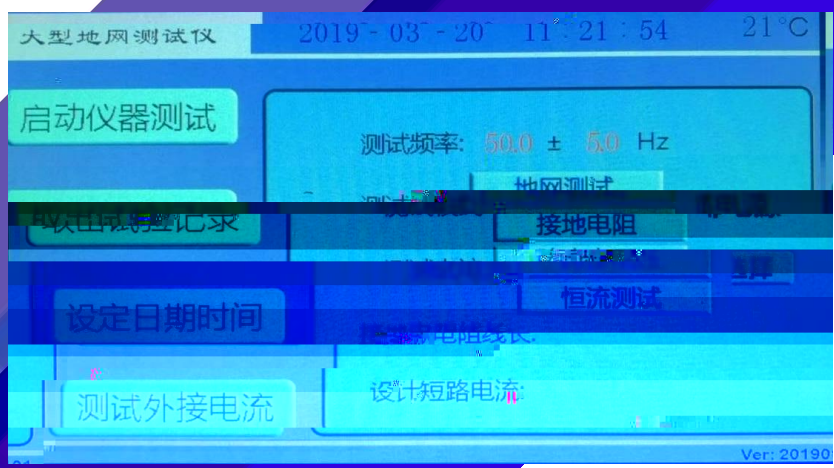


ﾈ 5

2˙ ǎ

1) ' 50.0 ¤ 5.0Hz ɳ ą 45/55Hz ǐ ǐ Â Ř ₩ ч 50 ¤ 5Hz 60 ¤ 5Hz Â З˝ ≠ Â ۱ 50Hz ˜ ˆ ۲ ч 50.0 ¤ 0.0Hz Â ۷ ضي 40-70HZ ﻣﺦ Â

2) ' ضر Â ч Й¸ ۱ˆ ǎ ﾈ 6˜ ˆ ۲ ضر ضر ۱



ﾈ 6

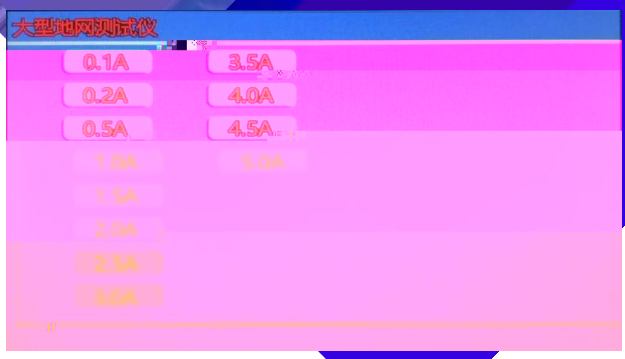
3) ṗ ' ч Йɳ ч˘ ˆ ɣ ṗ ˘ Â ˁ 7˜

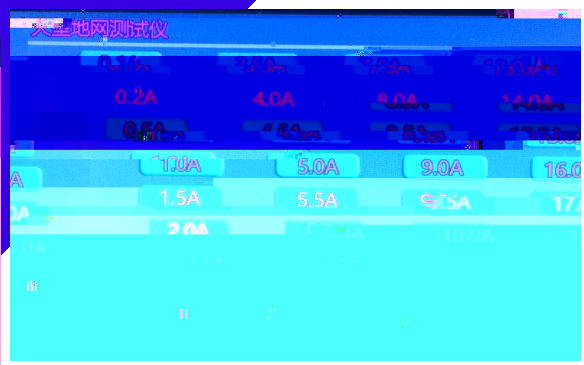


ˁ 7 ṗ

4) ' 2.0A ɳ ṿ Â ṿ˜ ɣ ˘ 2.2A Â

Йɳ ˘ ˜ ɣ ṿ Â ˁ 8˜





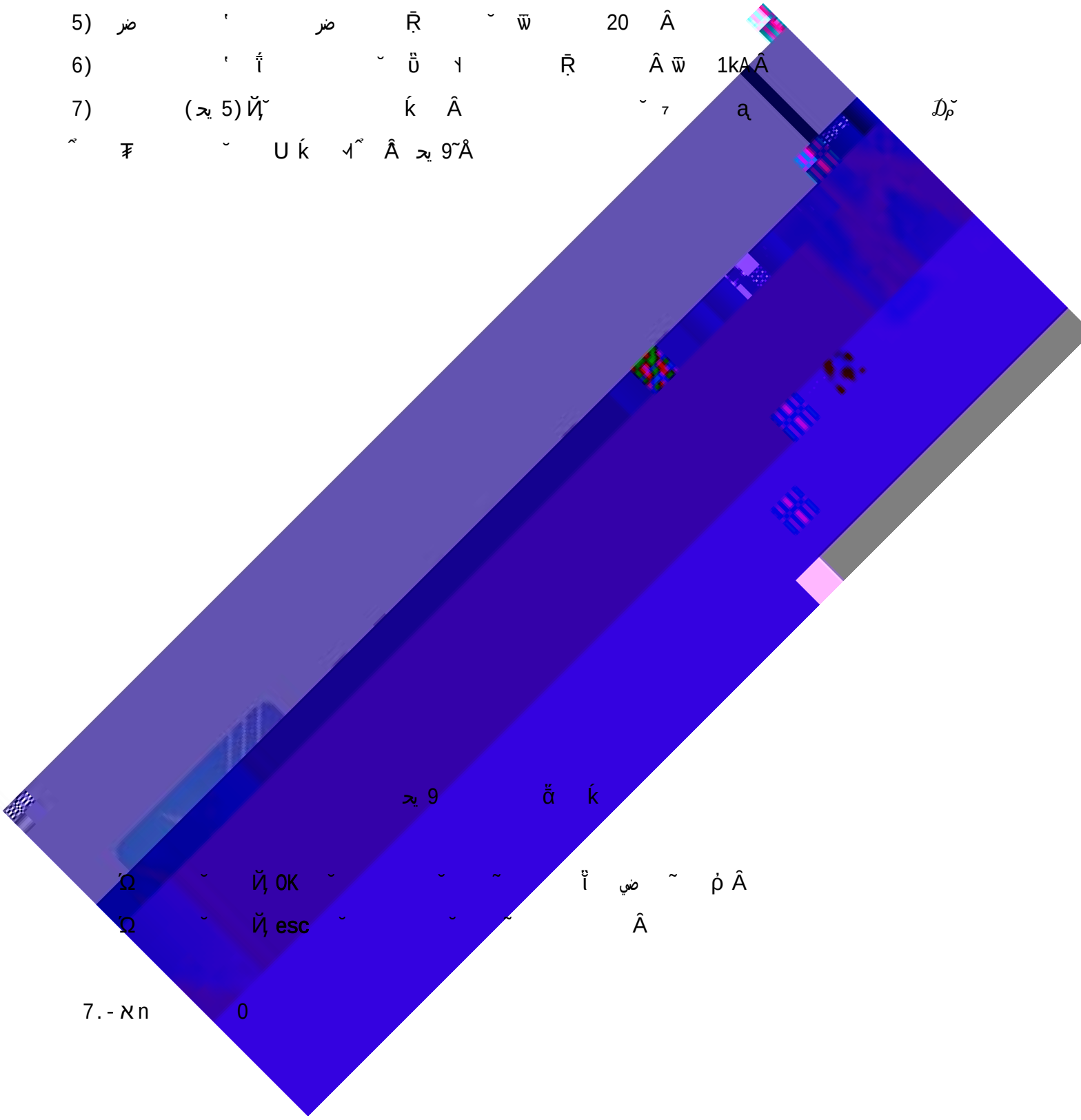
يد 8 ˆ . ⌈ 5A˜ 20A L~

5) ض ' ض Ṛ ˘ ₩ 20 Â

6) ' Ï ˘ Ŭ ۱ Ṛ Â ₩ 1kA Â

7) (يد 5) Ѝ˘ ќ Â ˘ ₇ ą Đ˘

˜ ₣ ˘ U ќ ۱˜ Â يد 9˜Å

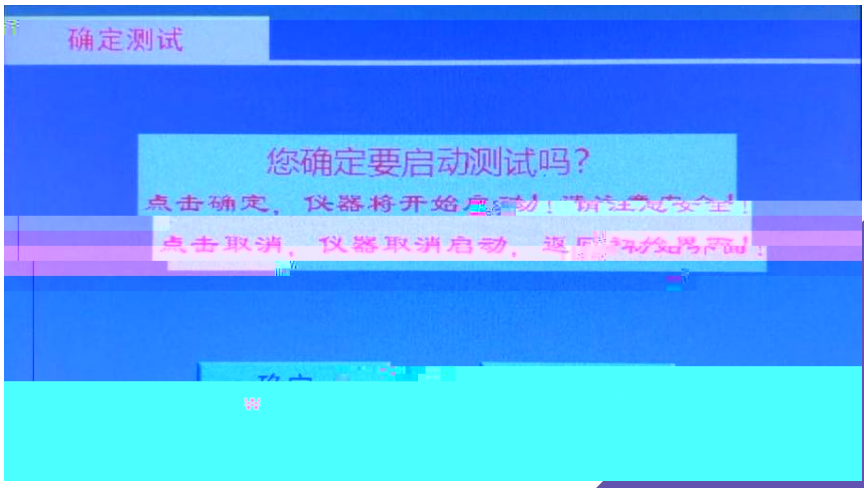


يد 9 ă ќ

Ό ˘ Ѝ 0K ˘ ˘ ~ ĭ ضِ ~ ṗ Â

Ω ˘ Ѝ esc ˘ ˘ ~ Â

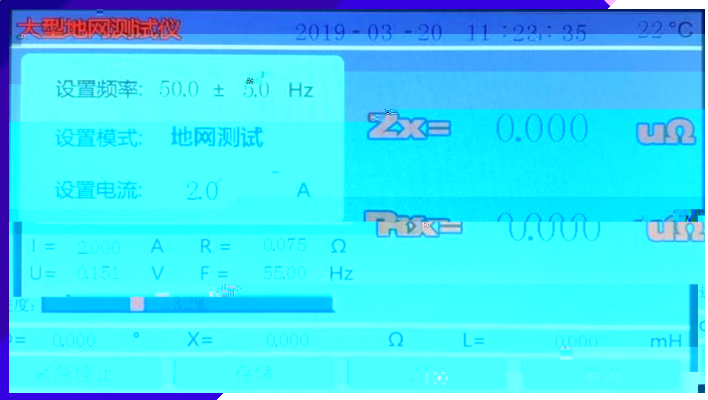
7.-אn 0



ﺮﻴﺷ 10

ﺪﻳ , ﺎﻟ Â Â ﻒﻬﺿ (ﺮﻴﺷ 11) Â ﺪﻳ ﺒﻳ ,

ﺎﻣ ﺞﻴﻫ (ﺮﻴﺷ 5) Â



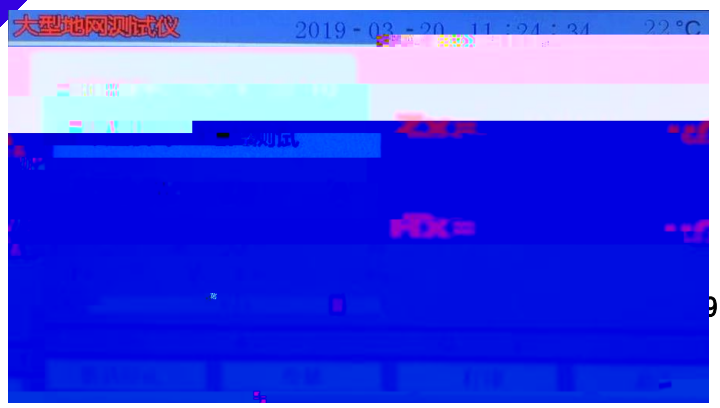
I=2.000A Â

U=0.151V ﺎ Â

R=0.075 ß Â

F=55.00Hz (ﺋ ﺋ F1)

F=45.00Hz (ﺋ ﺋ F2)



ﺨﻳ ﺽﺭ ﻙ ﻡ ﺭ. 225 9

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' 84% ϖ ⌈ 84%ϑ˘

⌈ 100% Â

ϑ 11 ϖ

ϑ U ∓ ϖ ^ ϑ 12˜



ϑ 12 ϖ

ϑ Й'

Zx = 75.777mß :ϖ ν

Rx = 75.770mß :ϖ

Ü = 0.769£ : ν

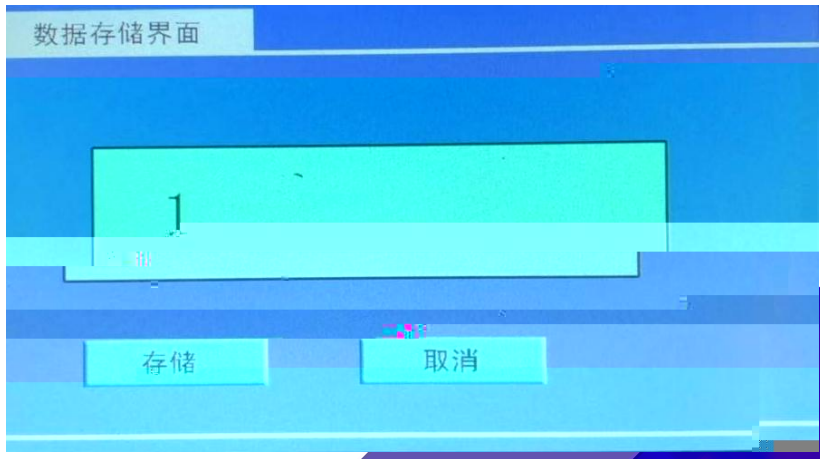
X = 0.001ß :ϖ ν

L = 0.003mH :ϖ ν

Й ∓˘ ϑ⌈ (ϑ 5) Â Й ϟ˘ ϟ ∓ Â

Й Ũ Â ∓ Ũ ^ ϑ 13˜ Â

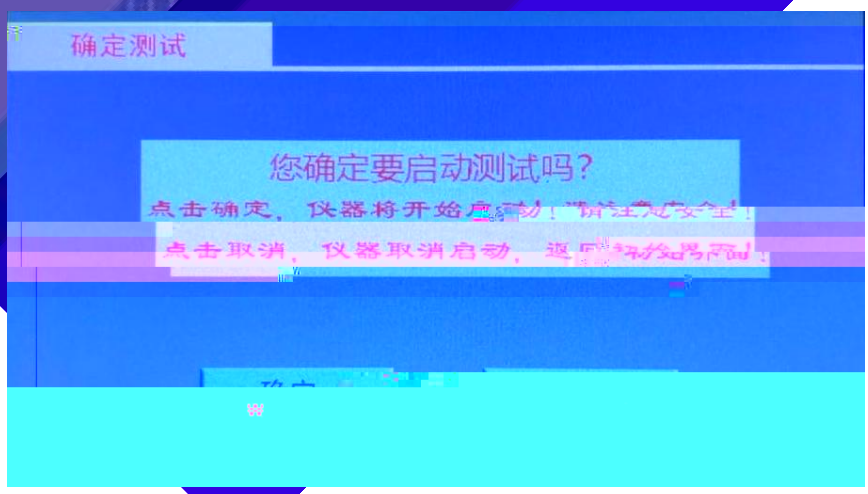
1. Ð
2. Й Ш ,
3. Й Ў , Ь



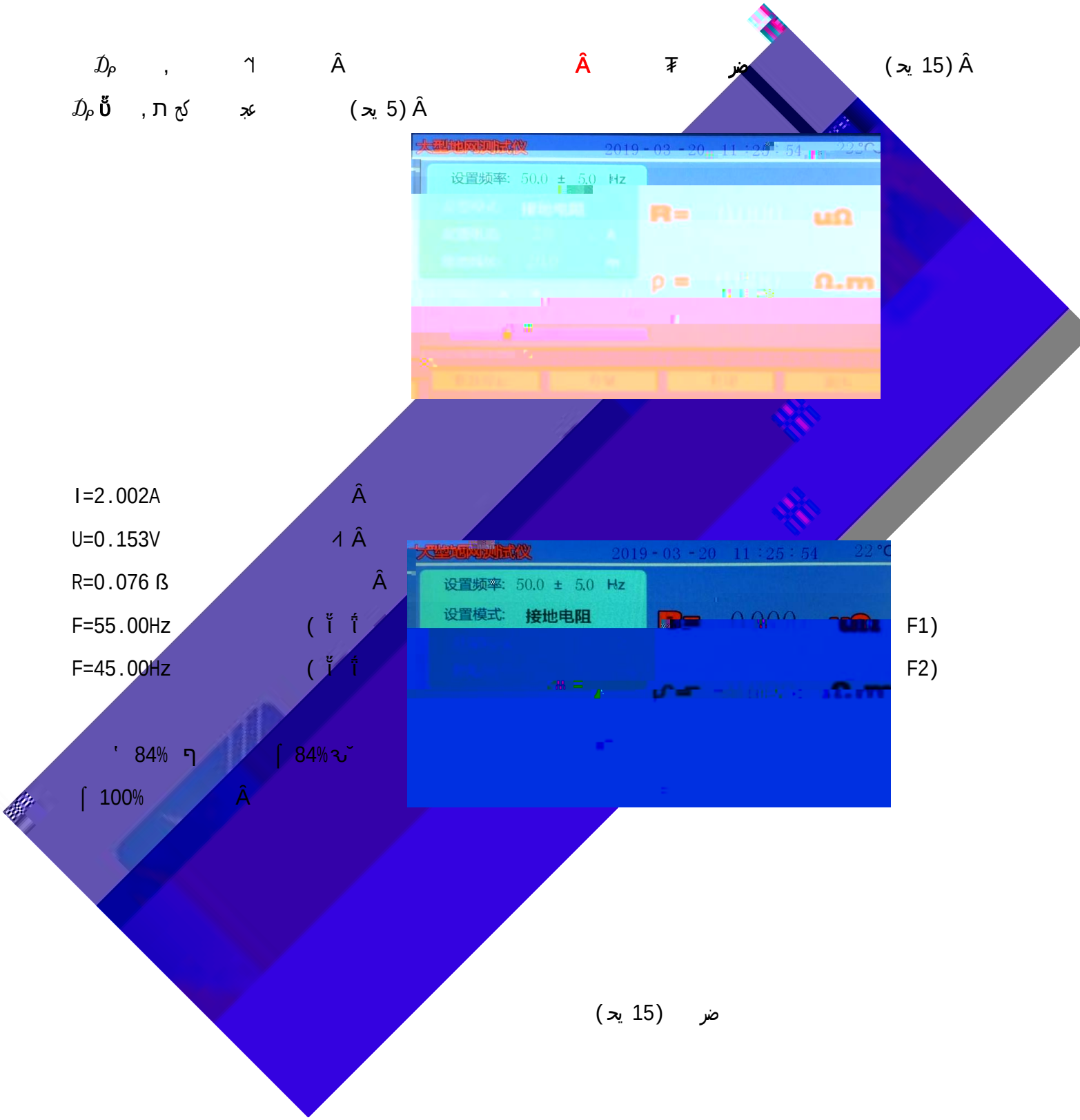
7.4 à ض

ض (ي 5) Й , ض ˇ^ ₩ 20 ˜ ą Ð

Ω˙ П ך , ₣ ^ ي 14˜'



（表 14）

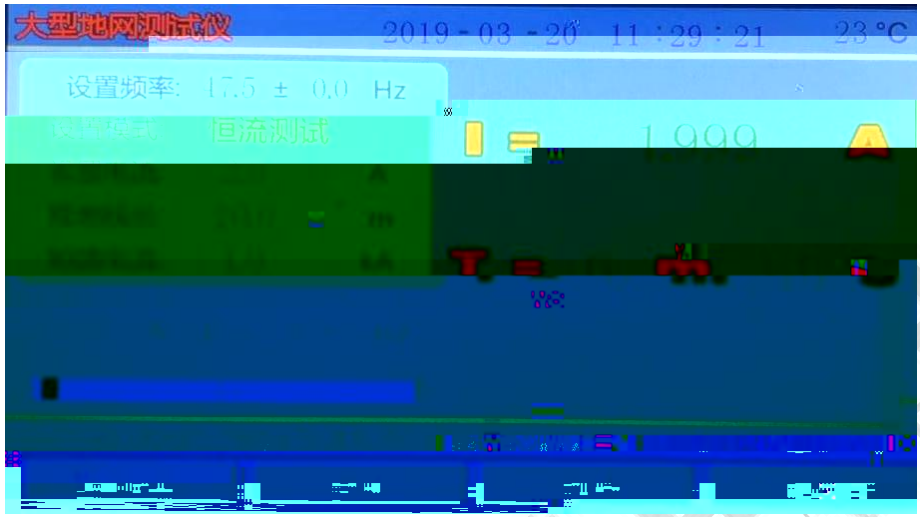

大型地网测试仪
2019-03-20 11:25:54
设置频率: 50.0 ± 5.0 Hz
R=
Ω
ρ =
Ω.m
I=2.002A
U=0.153V
R=0.076 ß
F=55.00Hz
F=45.00Hz
大型地网测试仪
2019-03-20 11:25:54 22°C
设置频率: 50.0 ± 5.0 Hz
设置模式: 接地电阻
R= 0.000
F1)
F2)
84%
84%
100%

（表 15）

(ㄡ 18)

Ð , ˥ Â Â

ǂ (ㄡ 19) Â Ð Ŭ , Ո ᄀ ㄡ (ㄡ 5) Â



(ㄡ 19)

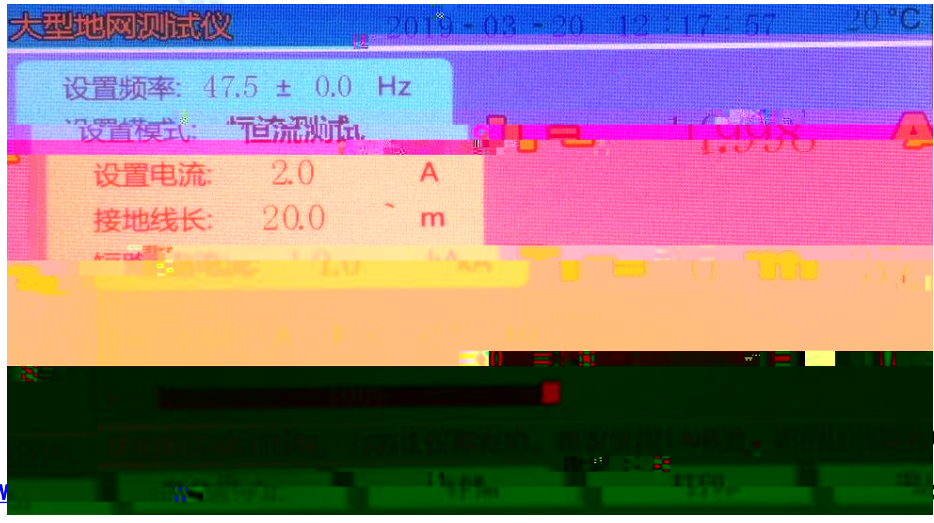
I=1.999A Â

F=47.50Hz Â

T=0 m 14 s ㄱ ǂ 14s̑ 5 № ˜

' 4% ㄱ ⌈ 4%ᄌ˘ ⌈ 100% Â

ʜ U ǂ ˆ ㄡ 20˜



(表 20)

Ч Й'

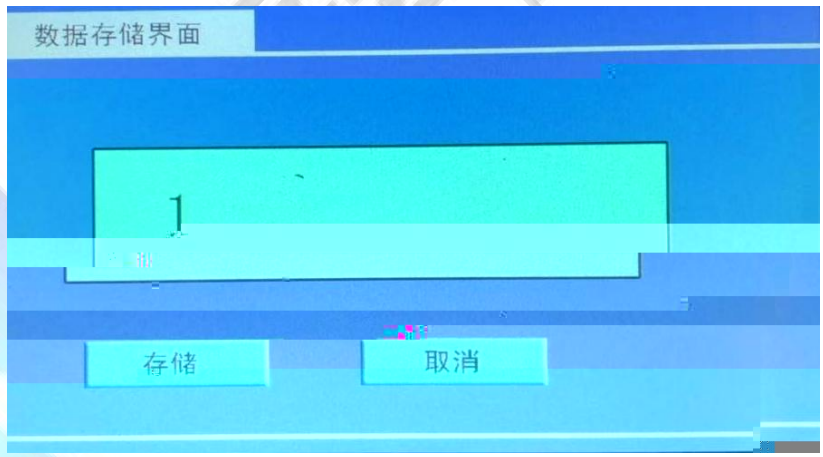
I=1.998A Â

F=47.50Hz Â

T=0 m 37 s ч ₣ 37s̑ 5 № ˜

Й ₣˘ ⁄ ⌈ (表 5) Â Й ч˘ ч ₣ Â

Й Ũ Â ₣ Ũ ˆ 表 21˜ Â



1. Ð ˘ ₣

˘ ~ Ũ ˜ Á

2. Й Ũ ,

Ũ , ˙ ⁄ Â

3. Й ŭ , Ь Ũ˜

⁄ Â

ˆ 表 21˜ Ũ

7.7 à Ţ п ᓚ

1 ò Ω Ô Ŗ ˘ ˜ п ᓚ ṗ Ḡ ˘ ˜ Ω Â

2 ð ﺵﺠ ˇ ∧ Ô Ŗˇ ˇ ∧ Â

3 ч 0.0A Ŗˇ ˆ ð Ô ь ð Ôض ь ض ˇ ض ˇ ⁞ ﻉﺠ Âض ь G 0.5㎡Â G 80ß Â

4 ת כך ץ ˄ ˎ 0.01ß˜ ↕˚ ∧ ⁘ Â

5 ת כך Ŗˇ ˚ ץ ضي C1 ₣ ץ 20 ץ⁘ ˇ ﺵﻲ Â

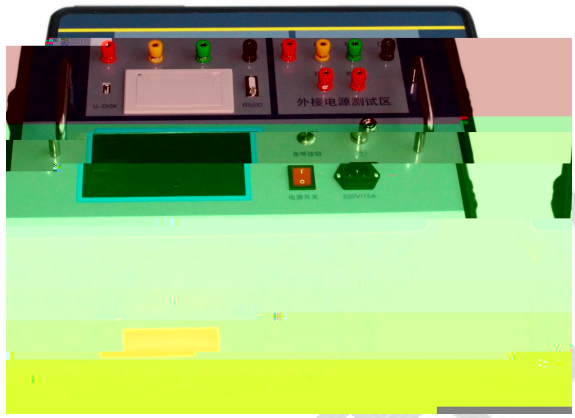
6 ч ą ≠ ˇ ╠ ώ ' ь ض ר ˇ ר Â

7 ضم ת כך Ψ ˗ Â

8 ת כך ₣ ì ˇ ь ˋE˜ ڤU ⊢ ,ь Â

9 ض ą Â

ñ à ą



ض

ص

1. ą Ř˘ ₇ ⁘ ج ٧˜ Â
2. ˘ ضي Δ ⁘ Â
3. ˘ ą G Â
4. Ɗρ ˘ Â ĩ
   ˘ ą ⁙ Â ج Δ Â
5. Ɗρ Ω˗ ת כ ˘ Ω˗ Â
6. ˘ ь ṗ ŋ ₩ Âضي ь Ṕ Â

Ж à ض

C1/P1 ₩ ₡ ض ˘ C2/P2ˆ ض ˜ ₃ ₩ ₡ ض Â

'

1 à ь Â

2 à ١ Â

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ضa>>h˘ b>>h Â

a=b ˘ . ч' ð=2 ï aZ

Ч ѿ à ضر

ѿ ' Й˘ ممم ضر ضر ٨ Â C

Ь ضر dCG ч ضر 4~5 Ồ' dPG غ dCG Â ضر

È ˆ Й k Â

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

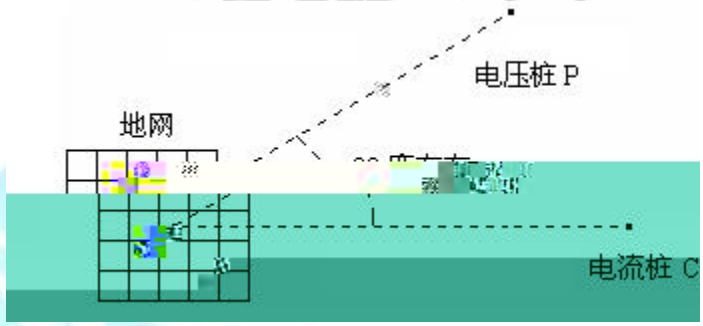
Ţ' ç Í غ ٨ '

Z' Í ضر ỵ Â

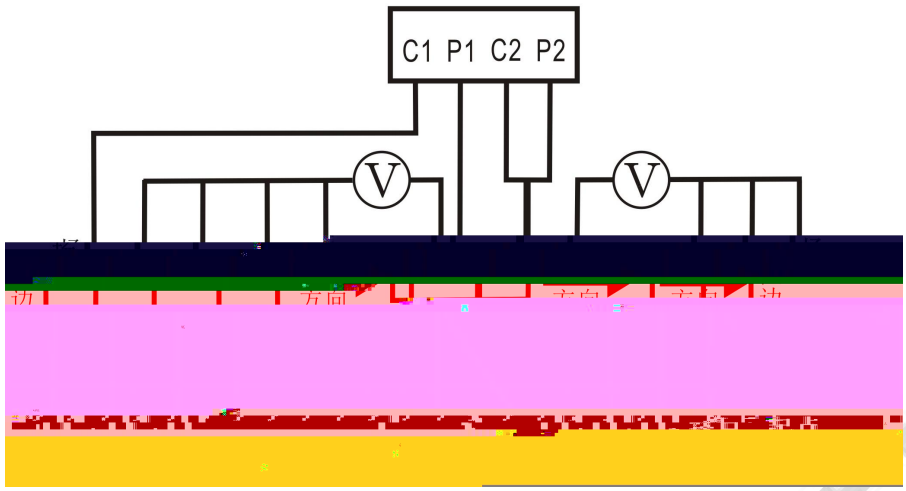
حى خشˆ ˘ˆ dPG غ dCG ˘ ç ч 30 £˘ dPG=dCG=2D

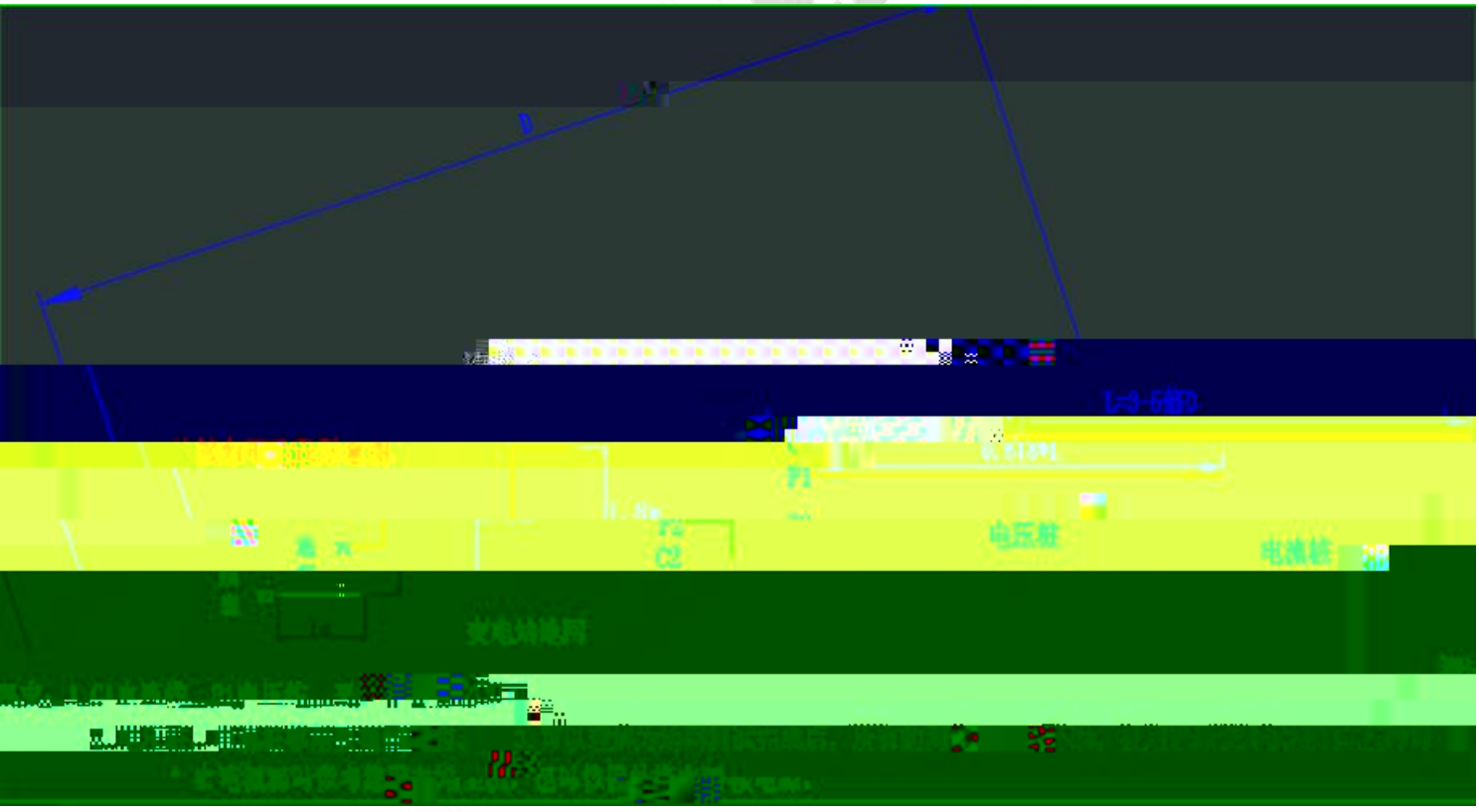
ضر k È . чˌ Â

' ضر Ĩ 2A



Ч нυ à ضر β





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D 4Ô ÿ Â

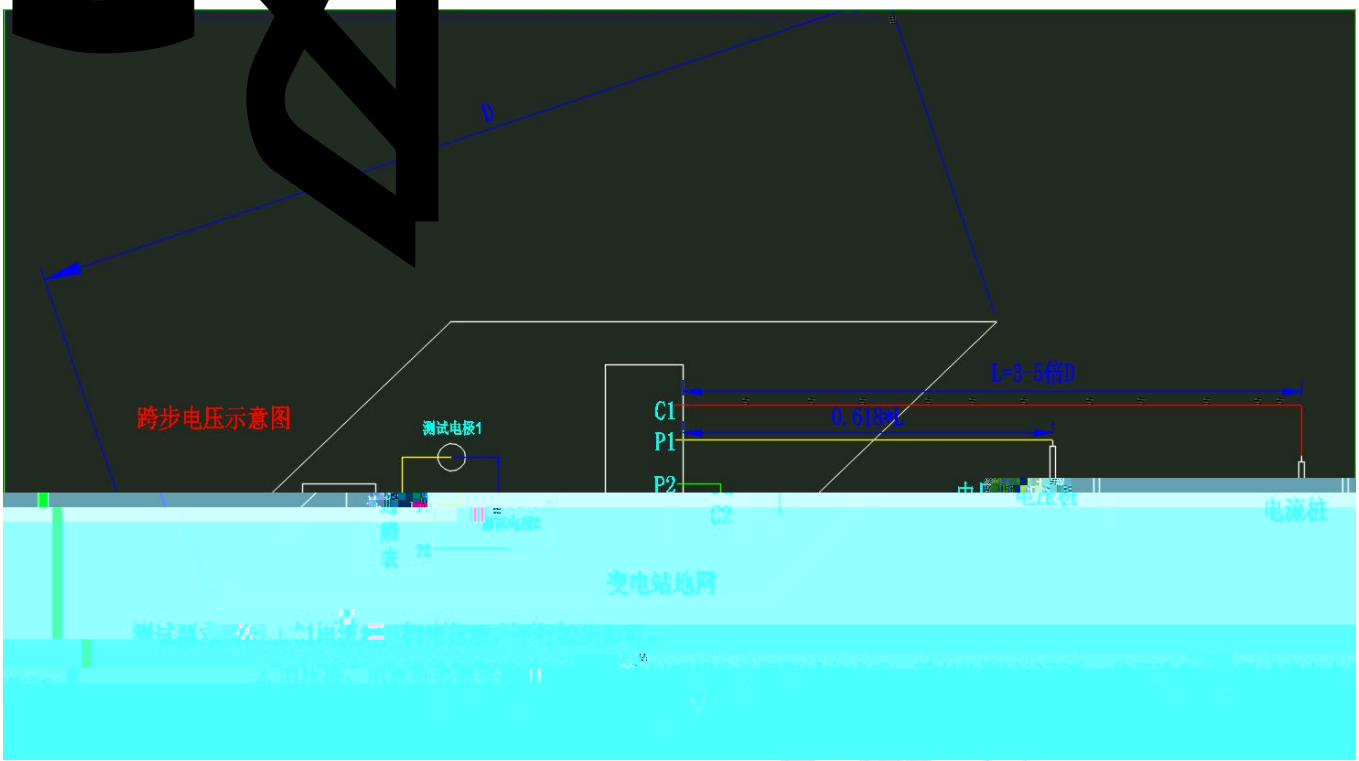
ת כ C1 Ь ˜ Â ˙P ת כ C2 1

ض Й ˆ ض˜ Â

ﻝ P3 ˇ ч 1.8

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[illegible]

[illegible]

D 4Ò [illegible] Â

[illegible] C1 [illegible] ÂP [illegible] C2 [illegible]

Й Â

[illegible] P1 àP2 [illegible] 1 à 2, [illegible]

[illegible] 20cm [illegible] [illegible] Â [illegible] Ţ [illegible] 1 Â

[illegible] P1 Ь P2 [illegible] r Rm [illegible] [illegible] [illegible]

ڤU ⊢ غ Й

ч ↄ ⊢ ˇ Ạ ǐ ą غ ڤU ⊢ˇ ĩ ʐ ˋẼ ˠ ˡ

ѽ à ˆ à Ḃ Ŀ ч ̊ ج غ ľ ڒ à ∫ à Ŀ ч ⊢ ˇ

Ḡ ضي ӯ à ą à ̊ ج ₩ ѡ Ţ ᵣ Â

₩ à ̊ ج '

1 à ̊ ج └ غ خش ... يج ‰ ǐ ʒ ‰ Â

2 à ˋẼ ˪ ̊ ج ضي Ḡ ṗ ضي ˇ ˋẼ Ḡ ŋ ʐ ═ˇ ∫ Â

ԋ à ̊ ج Ḡ'

∫ U ˪ ѽ ќˇ ⊢ Âضي ת כ ą ṗˇ ˋẼ

˪ ת כ à ą à ɒ ٦ à ɒ ˪ ˆ ⊢ Â

ڤU à ⊢ ʐ'

1. ضي ą ث ṗˇ ˋẼ Ḡ ą Â ṗ ₹ ѽ Ḡ ќˇ

غج ą Ь خشˇ . ѽ ˪ ⊢ˇ ɒˇ . ŭ

Â

2. ת כ ضي Ḡ ṗ ₹ ˇ ǐ Ь ˋẼ ˇ ו ' ŭ Й ↓ ң ₩ ч

⊢' Ǵ ٨ ќ Ǵ ќ Ǵ ת כ Ǵ ˪ ج

ضم à ⊢ Ŀ ǐ ᵣ '

1 à ڤ ╠ ⊢' ѽ h ˪ ˇ ˋẼ Â

2 à ڤ Ţ ⊢' ч ممم Ь Ь ˇ ˋẼ ч ˪ Ғ ʒ ممم غ

Âضي ŭ ╠ˋẼ Ψ Ғ ʒ ̊ ج ƀ ˇ Ḡ ą ̊ ج ˇ [illegible] ϑ–V' a P @

à ˊ ˇ Â

3