HZBTC

ȳ `Ẽ HZBTC ȋ ⺅ کح ת ضي Δ ą ת کح ╠ ضر

ą й ̃ ꜛ ضر ą ת کح

ꞁ ضر غ ، `Ẽ ̈ ج غج ą ת کح ą й

≢ ˩ ꞁ ψ ɐ ḩ `Ẽ قU

Ͱ ꞁ ψ

G ˜ ₮ شخ ⺅ ضي

1

1 6
2 h w .

5.9 № 24
5.9.1 № 24
5.9.2 № 24
5.10 Ữ 25
5.11 25
6 Ƕ 26
: ˧ ܒ ᶇ ˧ ଜ 27
Ƕ : ˧ يܭ 27
: ضي ٧ ˧ 27
ضم : 28
Л 28
Έ : ᶇ ˧ ଜ № ᾰ 29

1

[illegible]

2

2.1 :

[illegible]

2.2 :

[illegible]

2.3 [illegible] :

[illegible]

2.4

[illegible]

2.5 :

[illegible]


赫兹电力
HERTZ POWER

4

4.1 ꭕ G

4.2 5.6 ᷾ ȝ LED ῳ ƀ ˧ غ

4.3 ƀ ꞁ ݣ “↑↓” ҹ “ ” ˩ ḱ “←→” ҹ “ ᷾ ” ˩ ḱ “ ” ╠ ƀ “ ǚ ”

╠ ƀ

4.4 ᴨ ᴑ ᴨ Ữ ą FAT FAT32 U ض Ữ

Ț Ƕ ₮ ᴨ

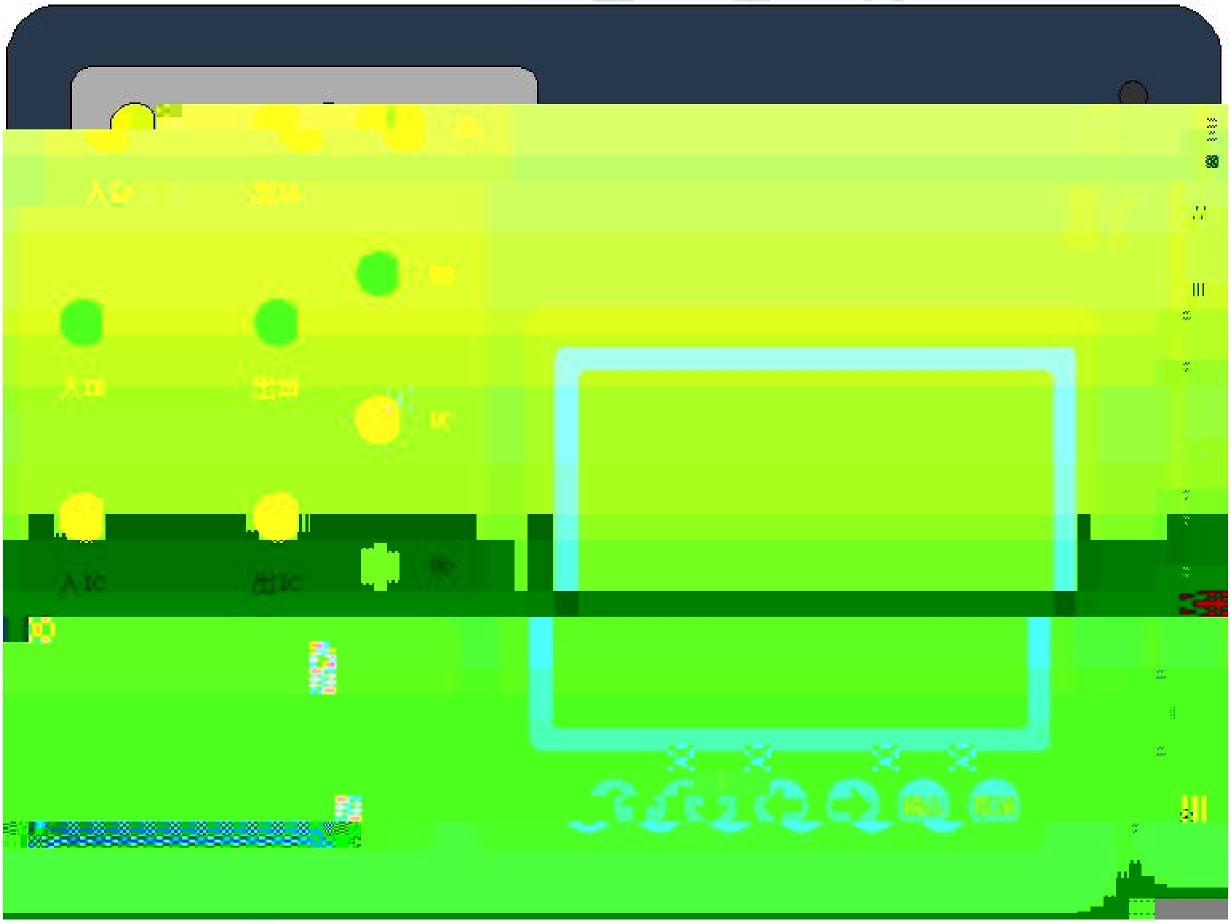
4.5 ˧ ˧

4.6 ض ꞁ ݣ ᷾ ض شي ض ᷾ ⌈

4.7 ᷾ ᷾

4.8 ᷾Ḥ ᴑ ꞁ ݣ ᷾Ḥ ݣ ᴑ ą ꞁ ݣ Ƒ ᷾Ḥ ݣ ᷾Ḥ ݣ ᷾Ḥ

ضي᷾Ḥ ᷾Ḥ



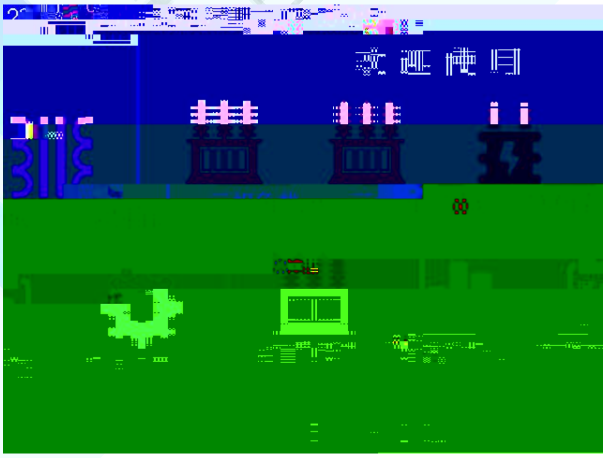
يݗ

5

5.1

5.2

5.3

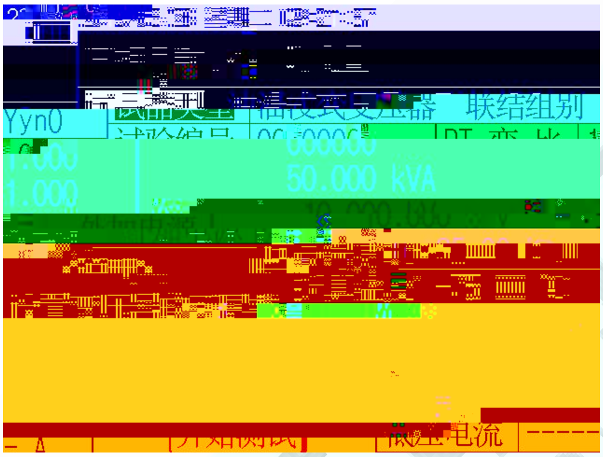


5.4

5.4.1 ᾄ

ض “ h Ч ” Ţ “ ” U “ ” ~ “ ᾄ ”

يح



يح

“ ج قمم ” “ ” “ ” “ イ ” “ ج ” “ ”
“ `E ” “ イ ” “ ˠ イ ” “ ˠ イ ” “ PT ῗ ” “ CT ῗ ” “
” Կ Ч ὶ ʷ Ҳ Կ ʍ ᾄ “ ” № ʍ
Ч Ţ “ ” Ч ʍ “ ” Ч ʍ ᾄ
“ ” ⌠ “ ” Ч ʍ ᾄ Ţ “ ” ḱ
ᾄ “ ” “ ΰ ” عج Ч “ ” Ţ “ ”
╟ ᾄ “ ΰ ” عج Ч
ج قمم ῗ イ كح № Կ “ ῗ イ كح ” غ “ ῗ イ كح ” ὶ Ţ “ ῗ イ
كح ” ≢ “ Yyn0 ” “ Yzn11 ” “ Dyn11 ” غج Կ ῗ イ كح
≢ غج ₇ ‰ ˜ ᾄ ∞
ῗ イ كح قمم

ῗ イ كح ṿ Ч ᵝ KVA
イ ῗ イ كح イ ᵕ イ ṿ ῗ イ كح № ᵝ ضي Ч ᵝ
KV G Ⅵ ≢ イ ῗ イ كح イ ῗ イ كح
ᾄ ṿ Ạ ⌠ ‰ ∞ ˜ ῗ イ كح イ ᵕ

ٿ ꙇ ᐱ ك ╠ ṿ

G Ạ ڿ ꙇ ᐱ ك ضي ч 75

ꙇ №≠ ч 100 120 145 ٧

⌠ ∞ ꙇ ᐱ ك

῝E ą ῝E ง ̃ ٧ ง

̃ ٧ ą “ ῝E 1 ” ง ̃ ̃ ٧ ą “ ῝E 2 ”

ᐱ ٧ ᐱ غ ٧ ᐱ

ᐱ ą “ ῝E 2 ” ᐱ ᵾ شخ ṿ ᐲ

RAB+RBC+RCA /3 ٲ ᵝ Ω

٧ ᐱ ą “ ῝E 2 ” ٧ ᐱ ᵾ شخ ṿ ᐲ

Rab+Rbc+Rca /3 ٲ ᵝ mΩ

٧ ᐱ ą “ ῝E 2 ” ƅ ꙇ ᐱ ك ٧ ᐱ ᵾ ṿ ٲ ᵝ A

PT ꙇ ᐱ ת ك ת ك ᐱ ᐱ مخ مخ ᐱ ɛ ك
ᵼ ᵼ ᐱ ᐱ ɛ ك ᵿ ṿ ᾰ ᾰ ɒ

10kV/400V PT PT

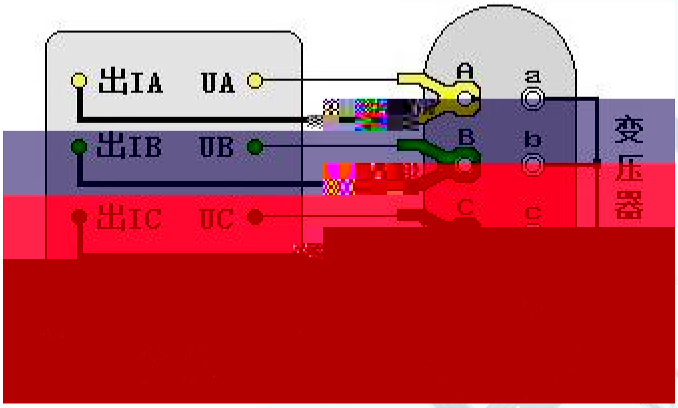
5.4.3

5.4.3.1 ą ṗ

ת ك ₮ " ₮ IA " " ₮ IB " " ₮ IC " ĭ イ " UA " UB " " UC "

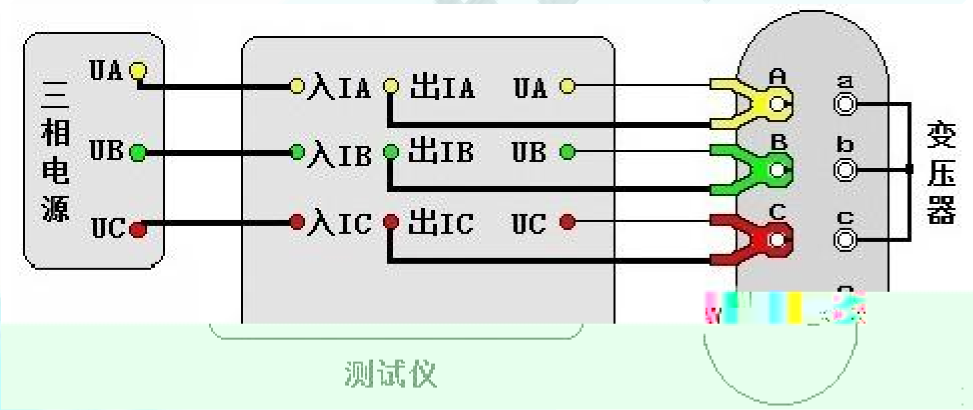
№≢ ⌠ ĭ イ ك イ ʊ ĭ イ ك ɣ イ ʊ ˜ Ḡ ˜ ɣ ɣ ῷ ڗ

ڃ ˊE



ڃ ˊE

5.4.3.2 ą ৶



ڃ

" UA " " UB " " UC " №≢ ˜ ת ك ˜ " ˜ IA " " ˜ IB "

" ˜ IC " ת ك ₮ " ₮ IA " " ₮ IB " " ₮ IC " ĭ イ " UA " " UB "

" UC " №≢ ⌠ ĭ イ ك イ ʊ , ĭ イ ك ɣ イ ʊ ˜ Ḡ ˜ ɣ ɣ ῷ

ڗ ڃ

5.5

5.5.1

5.4.1

“Yyn0” “Yzn11” “Dyn11”

0

KV

KV


赫兹电力
HERTZ POWER

Ţ UP ɐ ﾉ شخ ỵ IP ɐ شخ ỵ ΣP ʬ غ ʬ

غج ɐ Ḥ̂ ʬ غج شخ ỵ ﾉ ˥ ˥ غ U ỵ

U ỵ

ضي " ∞ " " " ǐ́ ﾉ كح ضي Ḩ قمم Ḩ

ضي ∞ " ج قمم " " " ǐ́ ﾉ كح قمم ضي Ḩ قمم Ḩ

պ JB/T501-2006 Ţ 14.9 Ḡ ɐ ضي 50HZ ± 5% مخ ῤ

5.5.3

ǐ́ r ƀ ǡ̋ 5.4.3

5.6

ضي “ ” “ ” “ ” “ Ḡ ” “ ۱ ”

“ ” ╠ “ ŭ ” عج

Ţ Up ۴ ۱ خشٍ ٧ Ip ۴ خشٍ ٧ Σp w غ w

عج ۴ Ḥ̊ w عج خشٍ ٧ ĭ ۱ ĭ

U ٧ ۱ U ٧ ì Ţ P1(

ң) P2(ң)№≠ ŭ ٧ 0.5 ۱

' n ŭ 2

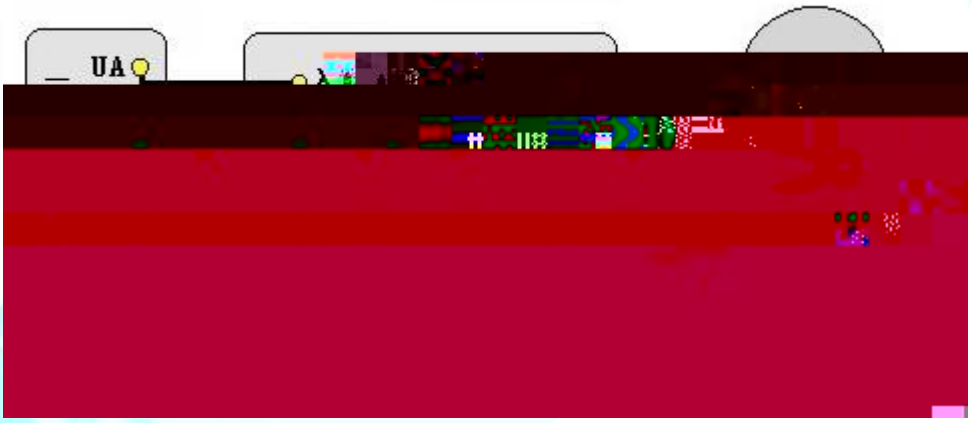
ضي ∞ “ ج قمم ” “ ” ĭ ۱ ح قمم ضي ң قمم ң

5.6.3

“ UA ” “ UB ” “ UC ” №≠ ~ ת ح ~ “ ~ IA ” “ ~ IB ”

“ ~ IC ” ת ح ∓ “ ∓ IA ” “ ∓ IB ” “ ∓ IC ” ĭ ۱ “ UA ” “ UB ”

“ UC ” №≠ ⌠ ĭ ۱ ح ۲ ۱ ט ĭ ۱ ح ۱ ט ٧ ضم يح

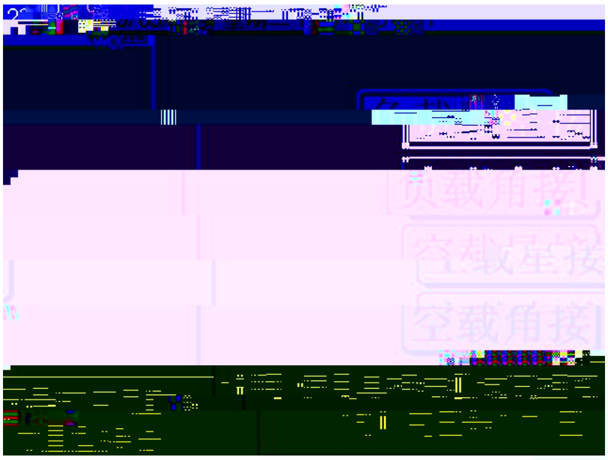


ضم ٧ يح

5.7 ۱

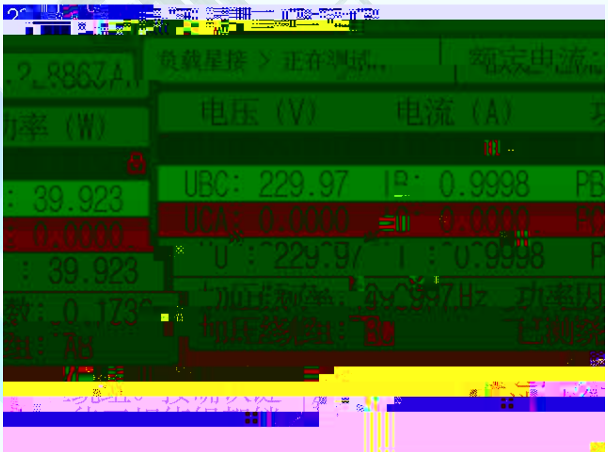
شي ĭ ۱ ح ۱ ۱ ضي“ h ۱ ” Ţ“ ۱

” U “ ” ~ “ ۱ w ” ٧ يح ת



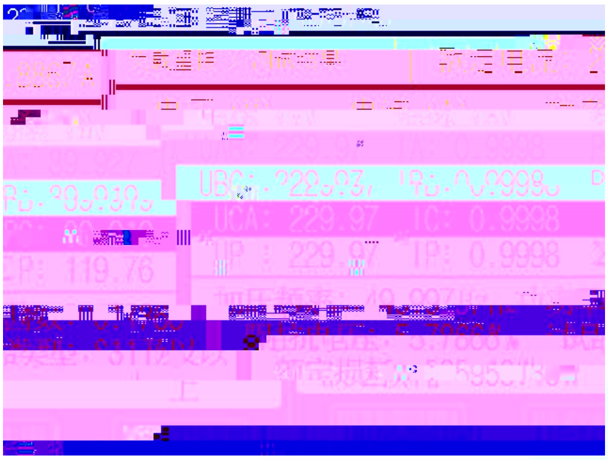
5.7.1

5.4.1



AB

BC CA

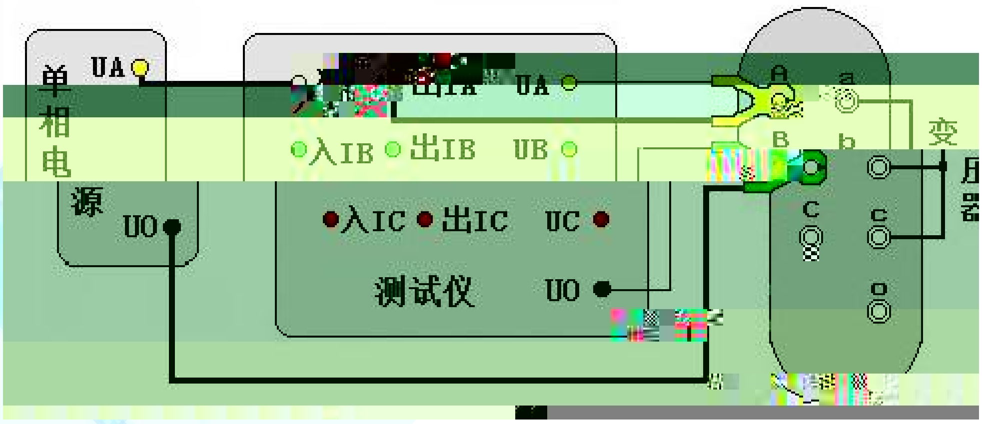


[illegible]

[illegible] 5.4.2

5.7.2 [illegible]

[illegible] AB BC CA [illegible] AB [illegible] "UA" [illegible] "IA" [illegible] "IA" [illegible] "UA" [illegible] A [illegible] "UO" [illegible] "UO" [illegible] "B" [illegible]



[illegible]

5.7.3 [illegible]

[illegible] 5.6.1

[illegible] "[illegible]" [illegible] 5.7.1

[illegible] 5.6.2

5.7.4

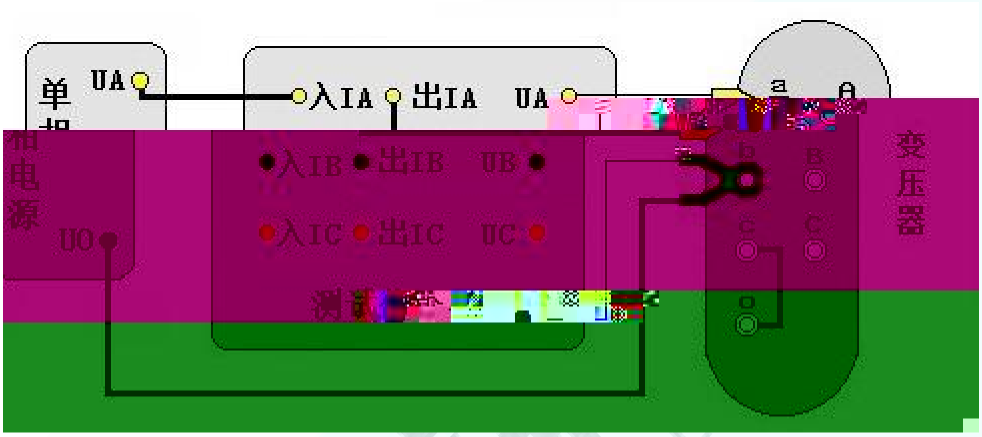
ab bc ca

ab

"UA" "IA" "UA"

"UO" "UO" a b c

o



5.8

5.8.1

ί r ą ƀ ᾰ̈ 5.4.1

PT ί ⏋ ת ك ⏋ مخ ⏋ ε ك

⏋ ⏋ ε ك ί ṿ ᾰ̈ ɒ

10kV/400V PT PT ί ч 25

CT ί ת ك مخ ε ك

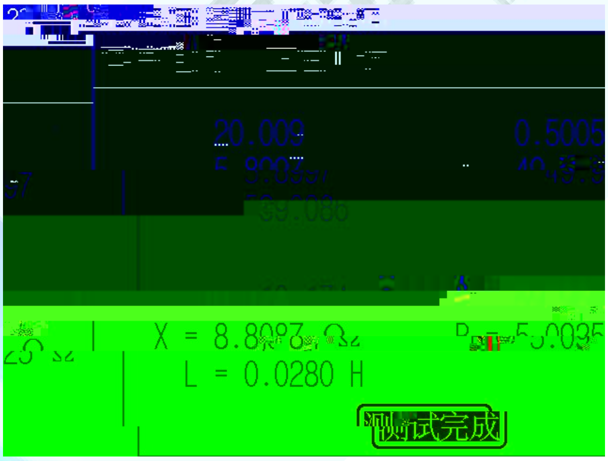
ε ك ί ṿ ᾰ̈ ɒ

100A/10A CT CT ί ч 10

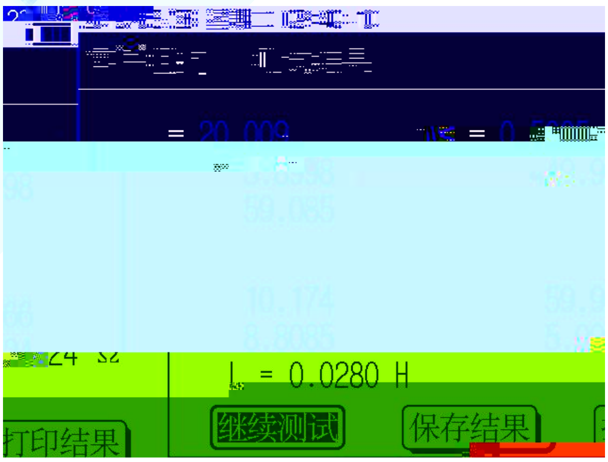
5.8.2

ضي ᾰ̈ U ~ “ ضي ” يح Ƕ Ⅵ ┘

“ ” ~ “ ” يح Ƕ Ⅵ Ƕ “ ŭ ” عج



يح Ƕ Ⅵ



(1) U: (2) I:

(3) P: (4) cos:

(5) Frq: Hz

(6) |Z|: Ω (7) X: Ω

(8)

5.9 №

5.9.1 №

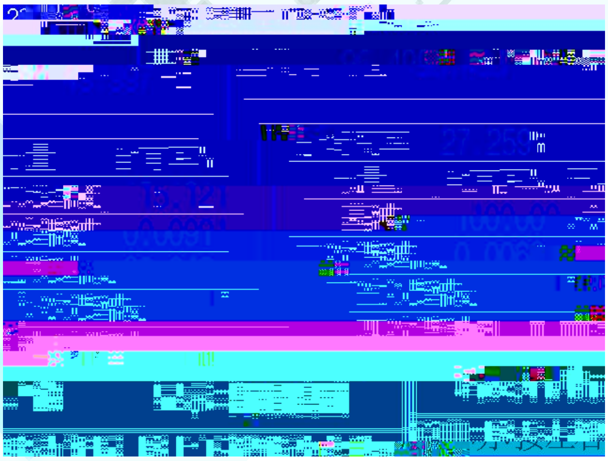
ת كخ ΐ № ѡ ̃ №

ضي “ h ｲ ” Ţ “ № ” U “ ” ~ “ № ” №

№ Կ يح يح Ⴘ Ⅵ ضم ﾑ ٧ Ḥ̃ غ ڵ يح

يح Ⴘ Ⅵ Л ﾑ ٧ Ḥ̃ ڵ Շ

ضم Ⅵ Ⴘ يح



Л Ⅵ Ⴘ يح

ῷ ᵝ G № ̃ “ ” № № غ

ῷ ᵝ G ̃ “ ” يح

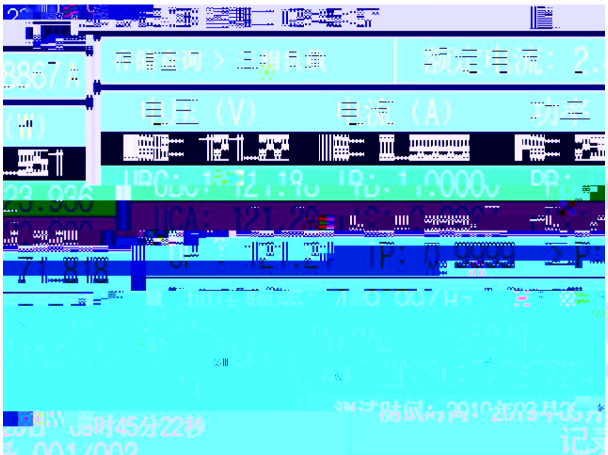
5.9.2 №

№ № ٧ Ḥ̃ ﾑ̃ ΐ ᵣ̃

ᾰ̋ ΐ ﾉ كخ ̃

5.10 Ử

ضي “ h ٲ ” Ţ “ Ử ” U “ ” ˜ G Ḡ
Ử كح ٨ ˘ يحـ Ƕ ٧ ΈE

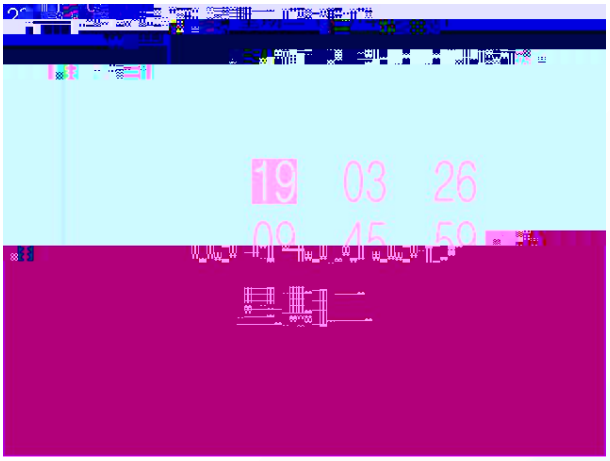


يحـ Ƕ ٧ ΈE

“ 005/025 ” ╠ ╠ ̃ ٨ ₃ U
Ử ɷ ̊ ̃ ̃ “ ” ₮ w ٲ ̃ “ ٨
” “ п ” ƀ
٨ ╠ Ử ٨
п ╠ Ử ⌠ п

5.11

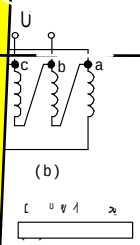
ضي “ h ٲ ” Ţ “ ” U “ ” ˜ “ ” U
“ ” U ˜ “ ” يحـ Ƕ ٧ G ḱ ת
كح



يح Hں Ⅵ

ضي “ ” ۔ ۔ ۤ ۣ ۥ ۦ ۧ ۨ ۩ ۪ ۫ ۬ ۭ ۮ ۯ ۰ ۱ ۲ ۳ ۴ ۵ ۶ ۷ ۸ ۹ ۺ ۻ ۼ ۽ ۾ ۿ ܀ ܁ ܂ ̃ ̄ ̅ ̆ ̇ ̈ ̉ ̊ ̋ ̌ ̍ ̎ ̏ ̐ ̑ ̒ ̓ ̔ ̕ ̖ ̗ ̘ ̙ ̚ ̛ ̜ ̝ ̞ ̟ ̠ ̡ ̢ ̣ ̤ ̥ ̦ ̧ ̨ ̩ ̪ ̫ ̬ ̭ ̮ ̯ ̰ ̱ ̲ ̳ ̴ ̵ ̶ ̷ ̸ ̹ ̺ ̻ ̼ ̽ ̾ ̿ ̀ ́ ͂ ̓ ̈́ ͅ ͆ ͇ ͈ ͉ ͊ ͋ ͌ ͍ ͎ ͏ ͐ ͑ ͒ ͓ ͔ ͕ ͖ ͗ ͘ ͙ ͚ ͛ ͜ ͝ ͞ ͟ ͠ ͡ ͢ ΐ ά έ ή ί ΰ α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ ς σ τ υ φ χ ψ ω ϊ ϋ ό ύ ώ ϐ ϑ ϒ ϓ ϔ ϕ ϖ ϗ Ϙ ϙ Ϛ ϛ Ϝ ϝ Ϟ ϟ Ϡ ϡ Ϣ ϣ Ϥ ϥ Ϧ ϧ Ϩ ϩ Ϫ ϫ Ϭ ϭ Ϯ ϯ ϰ ϱ ϲ ϳ ϴ ϵ ϶ Ϸ ϸ Ϲ Ϻ ϻ ϼ Ͻ Ͼ Ͽ Ѐ Ё Ђ Ѓ Є Ѕ І Ї Ј Љ Њ Ћ Ќ Ѝ Ў Џ А Б В Г Д Е Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ Ъ Ы Ь Э Ю Я а б в г д е ж з и й к л м н о п р с т у ф х ц ч ш щ ъ ы ь э ю я ѐ ё ђ ѓ є ѕ і ї ј љ њ ћ ќ ѝ ў џ Ѡ ѡ Ѣ ѣ Ѥ ѥ Ѧ ѧ Ѩ ѩ Ѫ ѫ Ѭ ѭ Ѯ ѯ Ѱ ѱ Ѳ ѳ Ѵ ѵ Ѷ ѷ Ѹ ѹ Ѻ ѻ Ѽ ѽ Ѿ ѿ Ҁ ҁ ҂ ҃ ҄ ҅ ҆ ҇ ҈ ҉ Ҋ ҋ Ҍ ҍ Ҏ ҏ Ґ ґ Ғ ғ Ҕ ҕ Җ җ Ҙ ҙ Қ қ Ҝ ҝ Ҟ ҟ Ҡ ҡ Ң ң Ҥ ҥ Ҧ ҧ Ҩ ҩ Ҫ ҫ Ҭ ҭ Ү ү Ұ ұ Ҳ ҳ Ҵ ҵ Ҷ ҷ Ҹ ҹ Һ һ Ҽ ҽ Ҿ ҿ Ӏ Ӂ ӂ Ӄ ӄ Ӆ ӆ Ӈ ӈ Ӊ ӊ Ӌ ӌ Ӎ ӎ ӏ ӐG ╠ عج “ ǔ ” ╠ عج “ ” Ḡ ╠ عج

W



(b)

U_n Ꮧ

P o Ꮧ ч U

Po G Ꮧ

n V̩ ═ G ǚ 1.8 ʽ ǚ 1.9 2

ת كح n=2

ضم

ч Ъ ضي ╟ ἲ

ἵ Ꮧ كح ἳ № ₮ V̩ ̃

ǚ قمم ἵ Ꮧ كح ضي Ꮧ

$$S' = S_n I_0\%$$

Ţ

S ′

S_n ἵ Ꮧ كح

$I_0\%$ №

Л

S ̃

Ꮧ U_K ч

$$S \geq S_n \frac{U_k}{100} \left(\frac{I_k}{I_n}\right)^2$$

Ţ

S_n U_n №≢ ч غ Ꮧ

$$U_k = U_n \frac{U_k\%}{100} \frac{I_k}{I_n}$$

I_n I_k №≢ ч غ

S U_k №≢ ضي Wr غ Ꮧ

$U_k\%$ ἵ Ꮧ كح Ꮧ № %

:

S7 ↓ ί كح ᾅ

KVA	(kV)	№ مخ	(kV)		%	W	(%)	(W)
30					2.8	150		800
50					2.6	190		1150
63					2.5	220		1400
80					2.4	270		1650
100					2.3	320		2000
125					2.2	370		2450
160	6				2.1	460	4.0	2850
200	6.3				2.1	540		3400
250		±5%	0.4	Yyn0	2.0	640		4000
315	10				2.0	760		4800
400					1.9	920		5800
500					1.9	1080		6900
630					1.8	1300		8100
800					1.5	1540		9900
1000							4.5	

S9 ↓ ί كح ᾅ

KVA	[illegible]	[illegible]	[illegible]	[illegible]	%	W	[illegible] (%)	(W)
30	6 6.3 10	± 5%	0.4	Yyn0	2.3	130	4.0	600
50					2.0	170		870
63					1.9	200		1040
80					1.9	250		1250
100					1.8	290		1500
125					1.7	340		1800
160					1.6	400		2200
200					1.5	480		2600
250					1.4	560		3050
315					1.4	670		3650
400					1.3	800		4300
500					1.2	960		5100
630					1.1	1200	4.5	6200
800					1.0	1400		7500
1000					1.0	1700		10300
1250					0.9	1950		12000
1600					0.8	2400		14500

S11 ↓ ΐ ᐧ ﻙ ᾅ

KVA	ᐧ ﺒ (kV)	ᐧ № ﻣﺨ	ᵞ ᐧ (kV)	ﻬ	%	W	ᐧ (%)	(W)
30					1.8	100		600
50					1.6	130		870
63					1.5	150		1040
80					1.5	180		1250
100					1.4	200		1500
125					1.4	240		1800
160	6				1.3	280	4.0	2200
200	6.3				1.2	340		2600
250		±5%	0.4	Yyn0	1.1	400		3050
315	10				1.1	480		3650
400					1.0	570		4300
500					1.0	680		5150
630					0.9	810		6200
800					0.8	980		7500
1000					0.8	1150	4.5	10300
1250					0.7	1360		12000
1600					0.6	1640		14500

ﺧﻲ ﺿﺮ Ʞ ᴍ ᒋ 225 ﻟﺠ ȝ ŋ ﻳﺠ ⊦ 027-83267669
ﺧﻲ www.whhezi.com whhezi@163.com

ڤU ⊢ غ й

ч ↄ ⊢ Ạ ǐ ą غ ڤU ⊢ ĩ ʒ ̀Ẽ ɣ “

ѽ ˆ Ḃ ” ч ̊ ج غ “ ڏ ⌡ ” ч ⊢

Ḡ ضِ ӯ ą ̊ ج ɷ Ţ r

̊ ج

1 ̊ ج └ غ ڜ ۔ يج Ď ښ