

•

•

•

•

•

/

4 mm²

“ ”

•

•



1

2

3

4 CT



5

PT

6

“ ”

CT/PT

GB 20840.3-2013 GB 20840.2-2014

- CT PT
- GB 20840.3-2013 GB 20840.2-2014 .
-
- .
- .
- .
- CT/PT .
- 5% 10% .
- 3000 .
- U PC WORD
- .
- $\leq 22\text{Kg}$.

CT	PT
•	•
•	•
• 5% 10% ALF	•
•	•
•	•
•	•
•	•
•	•
•	•
•	
•	
• GIS CT	
•	

2

AC220V $\pm 10\%$ 50Hz

0 2500Vrms 5KVA 20A

0 1000A
 $\leq$

$\leq 0.5\%$ 0.2%* +0.3%*

0.1 300 Ω

$\leq 0.5\%$ 0.2%* +0.3%*

5 500VA

$\leq 0.5\%$ 0.2%* +0.3%* $\pm 0.1VA$

4min

0.1min

CT

$\leq 25000A/5A$ 5000A/1A

$\leq 0.5\%$

PT

$\leq 500KV$

$\leq 0.5\%$

Ö 10

↳

2

5.1

3 —

4 —

5 —

6 —

7 —P1 P2 CT /

8 —S1 S2 CT /

9 —K1 K2 CT/PT

CT

10 —A X PT /

11 —a x PT /

12 —CT

13 —

14 —

15 —

7.1

“ ” “ ” “ ”

7.2

2

CT CT “ ” “

” “

” “

” “

” “

” “

” “

” “

”

1

0—20A

1A

0—2500V

Y

X

2

5

K1 K2

K1 K2

S1 S2

“  ”

“  ”

6

4 “ ”

5%

5%

10%

10%

类型	==CT==	PT	
编号	0002	2012/01/01	
1:	2:		
3:	4:		
5:	6:	退出	
7:	8:	打印设置	
9:			

10

8.2 CT

CT

CT

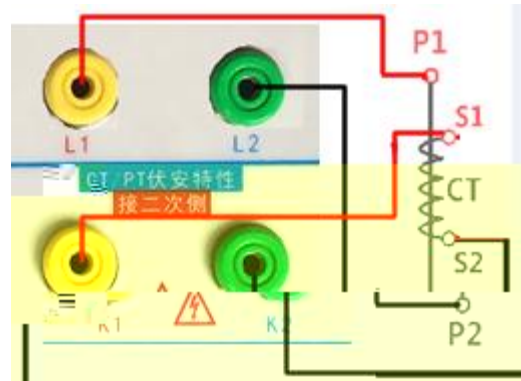
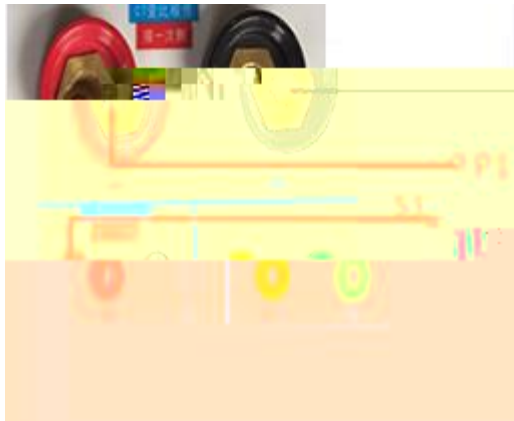
“ ”

“ ” “ ”

” 11 “ ”

11 CT

CT S1



13 CT

14 CT

8.2.2

1

CT “ ” “ ”

1A 5A 12

2

14 CT L1

L2 CT K1 K2

“ ”

“ ”

“ ” “ ” “ ”

“ ”

16

“ ” “ ”

” “ ”

类型

==CT==

PT

励磁

编号

0002

额定一次

A

额定二次

负荷

直阻

变比极性

免差比

类型	==CT==		PT
编号	0002		
额定变比	1000 : 5		打印 保存 返回
负荷	100 VA / 100.00 VA		
	角差	比差	
1%	9.7	0.155	
5%	5.8	0.1	
20%	3.2	0.078	
100%	0.9	0.023	
120%	0.8	0.023	

15 CT

16 CT

8.4 CT

1

CT

“ ”

17

0 1000A

2

18 CT

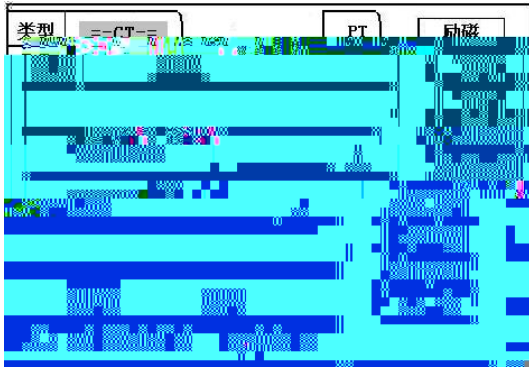
P1 P2 CT

“ ”

(0 200A:

10 200A 300A 2 ; 300A 3

)



17 CT

18 CT

8.5 CT

1

CT

“ ”

19

0 2500V

2

20

CT

K2

K1

“ ”

1

“ ”



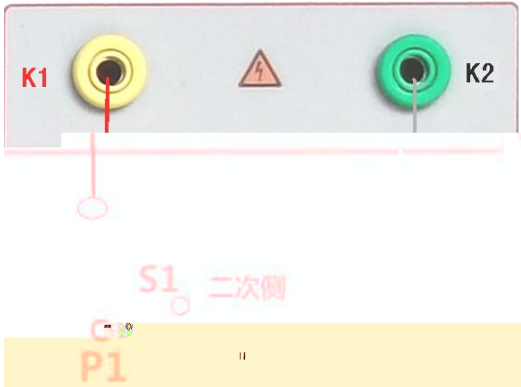
19 CT

8.6 CT

1

CT

21



20 CT

1A 5A

2

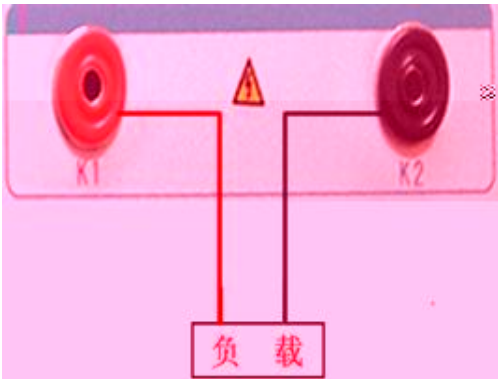
K1 K2

22

K1 K2

“ ”

“ ” “ ” “ ”



21 CT

22 CT

8.7

1

CT

“ ”

23

CT



“ ”,

24

“ ”

2

25

D1 D2

“ ”

“ ” “ ” “ ”

0—2500V

Y

X

1A 5A

2

27

K1 K2

K1 K2

S1 S2

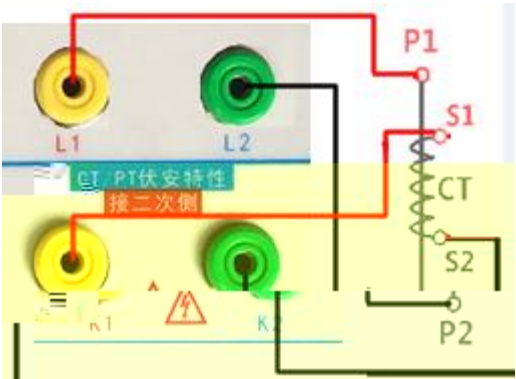
L1/L2

P1/P2

“ ”



26



27

QEDS

PT

1)

—

PT

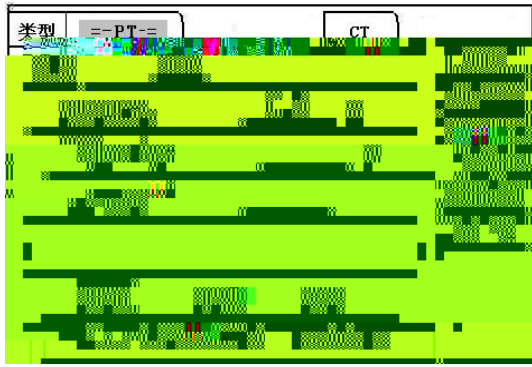
“ ”

28

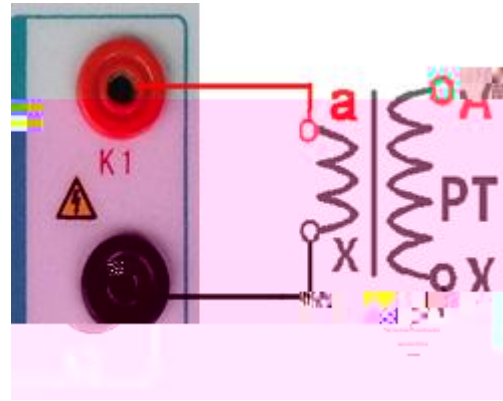
0 20A

1A

S



28 PT



29 PT

3 PT

8 CT

3 PT

1

30

0 2500V

100V 100/√3 100/3 150V 220V

2

31

PT

A X PT

a

X

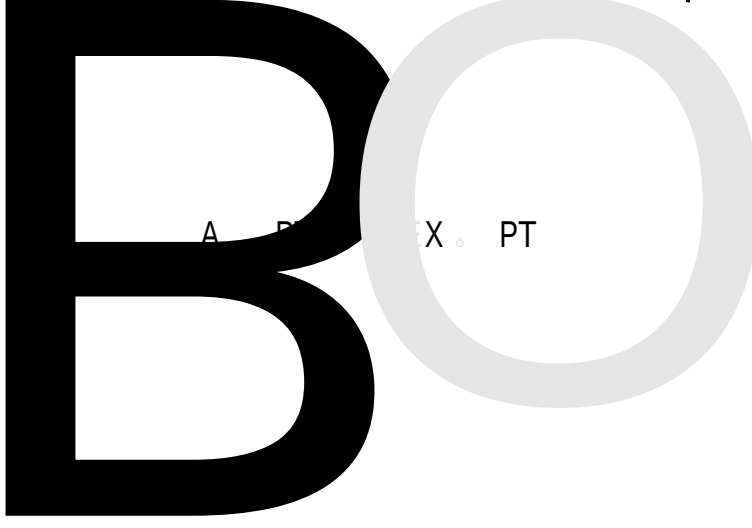
“ ”

”

“ ”

“ ” “ ” “ ”

”



30 PT

4 PT

1

PT

32

3 500KV

100V 100/√3 100/3 150V 220V

31 PT

È “ ”

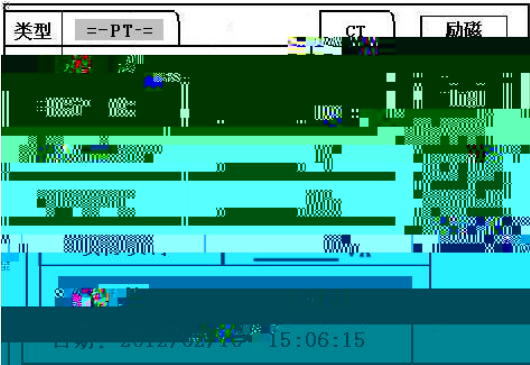
33

“ ”

“ ”

“ ”

9



类型	=-PT=-	CT	励磁
编号	0002		
额定变比	KV	V	保存
负荷	100 VA		
	3.2	0.078	
100%	0.9	0.023	
120%	0.8	0.023	

32 PT

33 PT

5 PT

1

PT

“ ”

34

0 2500V

2

35 PT

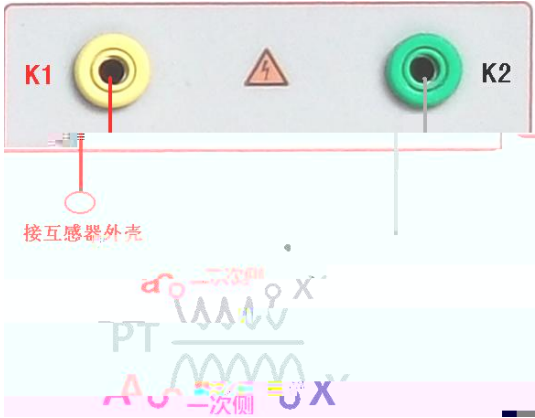
K2

K1

“ ”

1

类型	==PT==		CT	励磁
编号	0002			负荷
				直阻
设定电压	1000	V	角差比差	
实际电压		V	变数耐压	
			数据查询	
开始		退出		
日期: 2012/02/10 15:06:15				



34 PT

35 PT

6 PT

1

PT

“ ”

36

100V 100/√3 100/3 150V 220V

2

K1 K2

37

K1 K2

“ ”

“ ” “ ” “ ”

36 PT

37 PT

7

14 CT

CT/PT

“ ”

38_A

“ ” “ ” “ ” “ ” “ ”

” “ ”

¥ E

”

11.1

“ ” C

11.2

“ ”

“ VAtexing.exe ”

40

11.3

“ VAtexing.exe ” D I .2

“ CT ”

“ P ”

“ ” “ ”

11.4

a

U

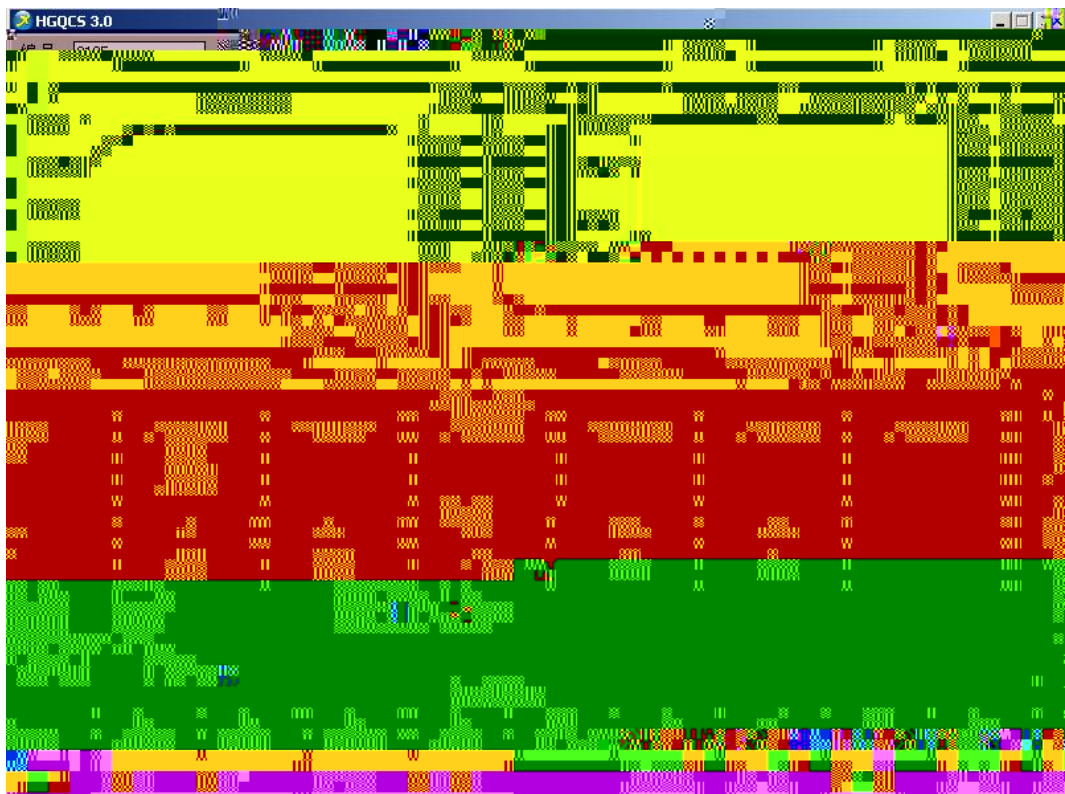
b

40

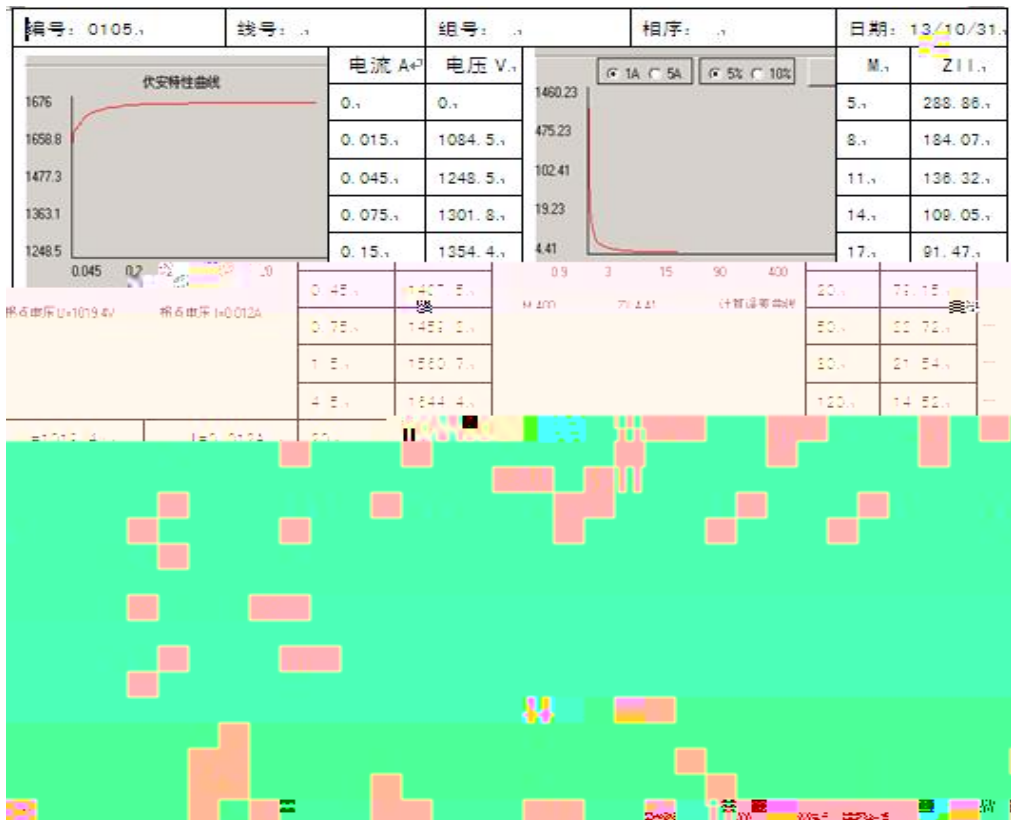
“



The screenshot shows the '打开文件' (Open File) dialog box. The dialog box has a title bar '打开文件'. Below the title bar, there is a list of parameters to be opened: '伏安特性' (V-I characteristic), '变比/极性' (Ratio/Polarity), '实际二次' (Actual secondary), '二次绕组电阻' (Secondary winding resistance), '误差' (Error), and '暂态数据' (Transient data). Each parameter has a corresponding button to its right. At the bottom, there are three buttons: '确定' (OK), '清除' (Clear), and '取消' (Cancel).



42



43

“ ”

CT

44

45

46

1

CT “

A *

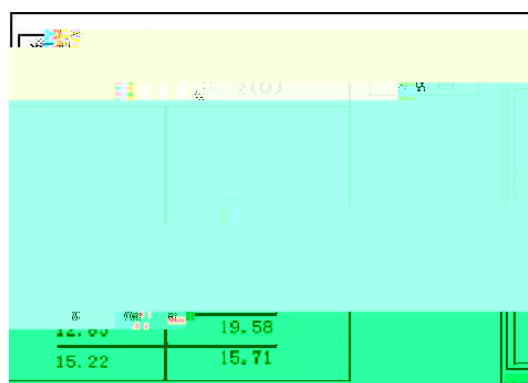
“

44



27.19Ω , CT 20VA(20VA/1=20
 Ω), 19.58 Ω
 (20 Ω) 27.19Ω , CT
 20VA(20VA/1=20 Ω) ,
 19.58 Ω (20 Ω) 12.85
 CT 10

10



$$M = I \cdot P / N$$

$$ZII = U - I \cdot Z2 / (K \cdot I)$$

I

U

N=1 (1A)

I

N=5 (5A)

Z2 CT

P=20 5

K=19 5 .1A 5A

P=10 10

K=9 10 .1A 5A

3

48

“ ” 99 01 “ ”
 99 “ ” 01 “
 ” 49



48



49

53

1

2

CT

 $K1/K2,$

S1/S2

3

4

CT

类型: -CT- PT

编号: 0002 2012/01/01

打印 刷新数据 保存 差差曲线

检查空开

0 0.075 I = 0.075 A

U = 235.0 V

50

51

类型	==CT==	PT	励磁
编号	0002		负荷
一次	A	二次	夕阳

52

类型	==CT==	PT	励磁
编号	0003	负荷	一次
A	二次	A	
变比		变比	变比
角差		角差	角差
交流耐压		交流耐压	交流耐压
一次通流		一次通流	一次通流
数据查询		数据查询	数据查询
综合测试		综合测试	综合测试
打印		打印	打印
保存		保存	保存
退出		退出	退出

53