XK3101 N1

录

1.0

XK3101 N1 24 A/D 16 D/A RS232/RS485

1.1

* - A/D :24bit

* 6.25 / 12.5 / 25 / 50 /

* RS232 RS485

*

* 4 20mA 0 20mA 0 5V 0 10V

*7 LED 0.56 20

*

1.2

1.2.1

5.0VDC 6 350

500Ω

200 KΩ

1.2.2

1.5uV/d

0.01%FS

1.2.3

220V 50Hz/60Hz

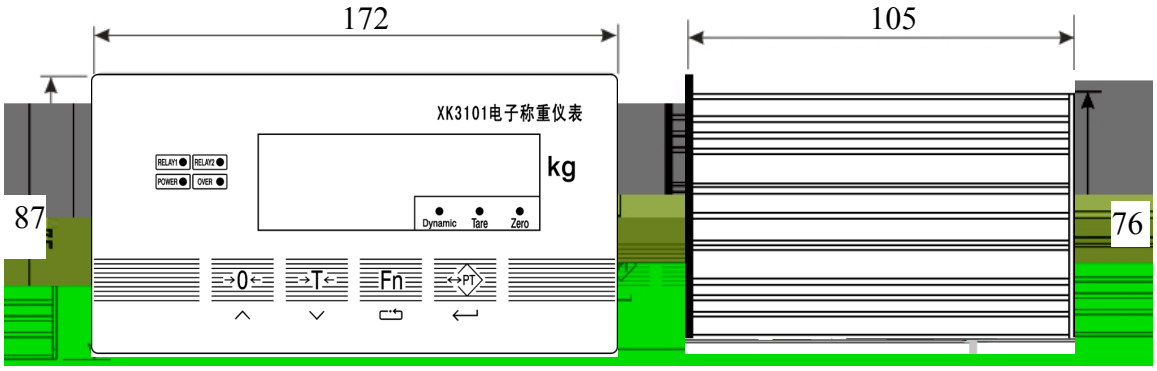
6

1.2.4

0ºC 40ºC 85 RH

-20ºC 60ºC 85 RH

1.2.5 mm 87×172×105



1.2.6 0.96Kg

2.0

2.1

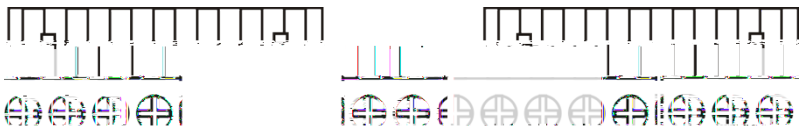
2

( )

180mm

2.2

2.2.1



		4	6
+EXC			
+SEN	4 +EXC	-	
+SIG			
SHIELD			
-SIG			
-SEN	4 -EXC	-	
-EXC			

▲
▲
▲

2.2.4

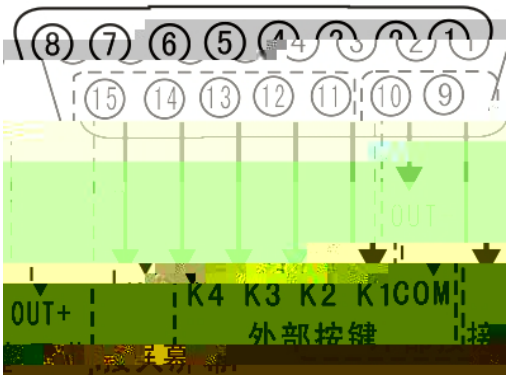
RS232 RS485 RS232 RS485 CPU

2.2.5

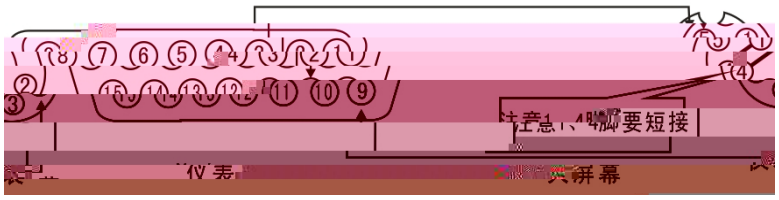
VOUT	0-10V
GND	
IOUT	4-20mA

F4

2.2.6



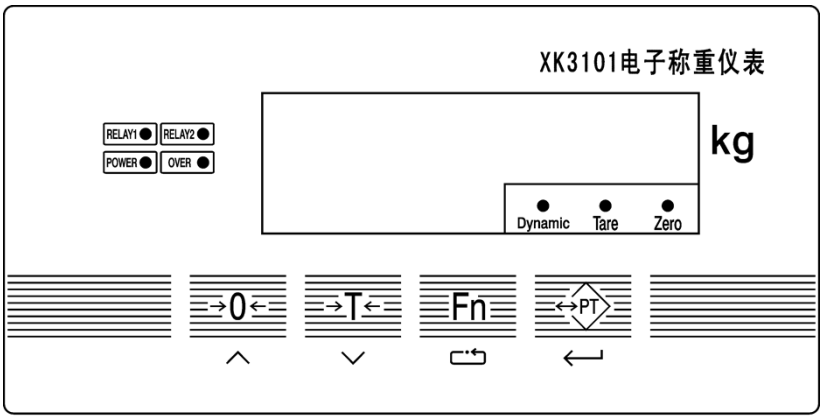
9	( )	+OUT
10	( )	-OUT
11		COM
12	PT	K1
13		K2
14	Fn	K3
15		K4



2.2.7

K1-K4 COM 50

3.0



→0←

→T← ( )

Fn

↔PT

-
-
-
-

4.0

4.1

×

1000 10000 1×10^n 2×10^n 5×10^n

n -3 -2 -1 1 V/d

0.5uV d

V/d:

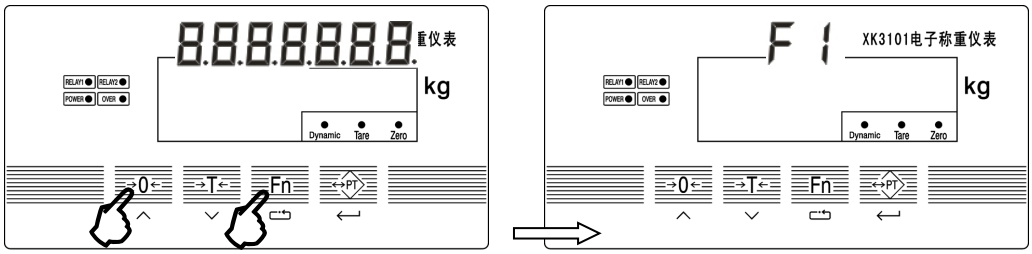
kg × mV/V × (5V)×1000 V/d kg ×

2 mV/V

4.2

4.2.1

1 **Fn** **“F1”**



2 PT “P-00000” “93169”

3 PT **“CAL 0”** **Fn**

0 **1** **2**

4.2.2 **1 CAL 0**

“[redacted]”

PT ,

“[redacted]”

Fn PT

“C 0 0 3 0 0 0”

Fn Fn

1 PT

“n o L o A d”

PT “- - - - - - -”

“A d d . 1 d 1”

PT

“- - - - - - -”

“3000” Fn PT

E4 *0.5uV*

E8 A d d . 1 d 1

“A d d L d 2”

PT “- - - - - - -”

“4000” Fn

PT

“PASS”

E7 *0*

“[illegible]” *20%*

1 “ ”

“ ”

2 “ ” Fn

“ ” SP

4.2.3 2 CAL 1

2 1 2

“ ”

Fn “ ” PT

“ ”

10 Fn PT

“ ”

Fn 1 PT

“ ”

Fn PT

“ ”

Fn PT

“ ”

Fn L=1 PT

“ ”

Fn PT

“ ”

Fn PT

“ ”

1

1000kg 997kg 1000÷997≈1.00301

0.04206 0.04206 1.00301 0.04219

2

60000kg 61000kg 1000kg

1000kg

1000kg “ ” 50045 C1 0.09200

10869 1000÷0.09200 50045+10869=60914

4.2.4 3 CAL 2

“[redacted]”

Fn “CAL 2” PT

“[redacted]”

Fn PT

“C003000”

Fn PT

“LC_CAP”

4 20t 80000kg Fn PT

“LC_SEN”

2.0mV/V 2.0000 Fn PT

“------”

5.0

5.1

0 20mA 4-20mA 0-5V 0-10V

□

Fn “F1”

PT “P-00000” “93169”

PT “CAL 0”

T “F1”

Fn “F4” PT

“F4.1 ”

Fn ;

F4.1=0, 0 20mA
F4.1=1, 4 20mA
F4.1=2, 0-5V
F4.1=3, 0-10V

PT

“F4.2 0”

F4.2=0,
F4.2=1,

PT

“ESC”, PT

5.2

1V-4.5V

Fn **“F1”**

PT “P-00000” “93169”

PT “CAL 0”

T “F1”

T “ESC”

PT

Fn “F 6”

PT

1 AL_n0

2 AL_n

3 AL_

4 AH_n0

5 AH_n

6 AH_

Fn

5.3

Fn **“F1”**

PT “P-00000” “93169”

PT “CAL 0”

T “F1”

T “ESC”

PT

Fn “F 6”

Fn “[illegible]” PT

“PASS”

6.0 F2

6.1

Fn “F 1” Fn

“F 2” PT

“F2.1” Fn ,

PT 6.2

6.2 F2

F2.1 ADC

0 6.25Hz 1=12.5Hz 2=25Hz 3=50Hz

F2.2

0 1= 100%FS

F2.3

0

1 = ±4%FS

2 = ±10%FS

3= ±20%FS

4=

F2.4

0

1= 0.5d/

2= 1d/

3= 3d/

F2.5

0

1= 0.5d

2= 1d

3= 3d

F2.6

10.0

	1 2	*1* *2*
	1 2 3	*1* *2* *3*
	1 2 3	*1* *F4* *2* , *3* *F6*
	1 2 3	*1* *2* *F3* *3* *1,2,3*
OVER	1	*1* *2*
ADCErr (ADC)	1 2 3 ADC	*1* *2* *5V* *3* *ADC*
-OVER	1	*1*
Err 01	1 2	*1* *2* *F2.7* *3*

1 **Modbus RTU**

[3.2 = 0] Modbus RS232 RS485

8 1

MODBUS MODBUS

RTU 03

06 16 40001 0000

“4XXXX” PLC

PLC 40001 0000 hex(0)

PLC 40011 000A hex(10 10)

03 16 16 2

40001		(16)-32768~32767 1	03
40002		(16)-32768~32767 1	03
40003-40004			03
40005-40006			03
40007		1 2 5 10 20 50	03
40008		0 1 2 3	03
40009-40010		1 SP1 EEOROM	03 16
40011-40012		2 SP2 EEOROM	03 16
40013-40014		1 SP1	16
40015-40016		2 SP2	16
40097	0	(1)	06
	1	(1)	06
	2	(1)	06

876.8kg 0.2kg 876.8/0.2=4384 2 1

1 4384×2×10-1=876.8kg

01 42kg

0x01 0x03 0x00 0x00 0x00 0x01 0x84 0x0A

0x01 0x03 0x02 0x00 0x2A 0x39 0x3B

0x01 0x06 0x00 0x60 0x00 0x02 0x08 0x15

0x01 0x06 0x00 0x60 0x00 0x02 0x08 0x15

2 2-

[3.2 = 1] RS232 RS485

8 1

8 “ ” 7

“0” “ ”

=	0 —							0D	0A

“-1234.5” “ 1234.5”

=	—	1	2	3	4	.	5	0D	0A

3 3-

RS485

1.

	Byte0	Byte1	Byte2	Byte3	Byte4	Byte5	Byte6	Byte7	Byte8
	0X02	ADDR	WORD0		COM M0	COM M1	BCC	0X0D	0X0A
			(1)		(2)		(3)		

WORD0 -32768~32767 Byte2 Byte3

F3.4=0 , F3.4=1

COMM0(Byte4)

0	1 XK3101 1 2 XK3101 0 XK3101 1 2 XK3101
1~5	
6	0 1 1 2 XK3101 2 0
7	0 1 1 1 XK3101

	1	0

COMM1 Byte5

0	000 XK3101 001 XK3101 010 XK3101 011 XK3101 100 XK3101 1 101 XK3101 2
1	
2	
3	
4	0 1
5	0 1
6	
7	0 1

Byte0~Byte5

2.

	Byte0	Byte1	Byte2	Byte3	Byte4	Byte5	Byte6	Byte7	Byte8
	0X02	ADDR	WORD0		State0	State1	BCC	0X0D	0X0A
			(1)		(2)		(3)		

WORD0 -

32768~32767 Byte2 Byte3 WORD0

F3.4=0 F3.4=1

State0 Byte4

0~3	
4	1 0
5	1 0
6~7	

State1 Byte5

0	1
1	2
2~7	

4

XK3101(N1)

1		XK3101(N1)	1	
2		XK3101(N1)	1	
3		XK3101	1	
4	D ( )	15	1	
5	15 D	DB-15	1	
6				
7				
8				
9				
10				
11				
12				

4

宁波柯力传感科技股份有限公司
地址：浙江省宁波市江北投资创业园C区长兴路199
号
电话：800-857-4165　　400-887-4165
传真：0574-87562289
邮编：315033

印刷要求（本　不印刷）

序号	目		
1	印刷尺寸	■ A5	□ A4
2	封面封底	□ 70g　口双胶	■ 200g　口双胶
3	封面封底　色	■ 黑色	□ 彩色
4	封面封底留白	□ 不要求	■ 是
5	内	□ 70g　口双胶	■ 80g　口双胶
6	内　　色	■ 黑色	□ 彩色
7	装　方式	■	□ 胶装

■表示　中 □表示不