

R30.10

电子称重仪表
技术使用手册




1 2

	
1 2	5



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1	1
2	1
3	1
3.1	1
3.2	2
4	3
4.1	3
4.2	4
4.2.1	4
4.2.2	4
4.2.3	5
4.2.4	5
4.2.5 R30.10	5
4.2.6	6
4.2.7	6
4.2.8	6
5	7
5.1	7
5.2	.....	8
5.3	.....	8
5.4	.....	8
6	.....	9
6.1	.....	9
6.2	.....	10
6.3	.....	11
6.4	.....	11
7	F2	11
8	F3	12
8.1 R30	.....	12
8.2 MODBUS	.....	13
8.3 ASCII	.....	14
8.4 2	.....	15
9	F4	15
10	F5	15
11	F7	17
11.1	.....	17
11.2	.....	17
12	F8	17
13	.....	18
13.1	.....	18
13.2	.....	18
13.3	.....	18
14	.....	18

1

R30 ()

24~28VDC

200mA

-
-
-
-
-
-

▪

2.1

R30.10	2110010019	4	4	RS232/RS485	0-10V/4-20mA
		DC24V			

2.2

(WxHxD)	104mm x 59mm x 142mm	
	0.5kg	
	SS304 IP65	IP42
	6 350	58
	-20mV ~ +20mV	
A/D	24	
	20000d	0.3μv/d
	6 LED	10.3mm
	6 LED	7mm
	10Hz	
	4	
	4	
	4	30VDC/200mA
	RS232 RS485	
	MODBUS-RTU	
	0-10V	100K
	4-20mA	500
	20-28 VDC <200mA	
	-10° ~ +40° C	10% ~ 90%
	-30° ~ +60° C	10% ~ 90%

3.1

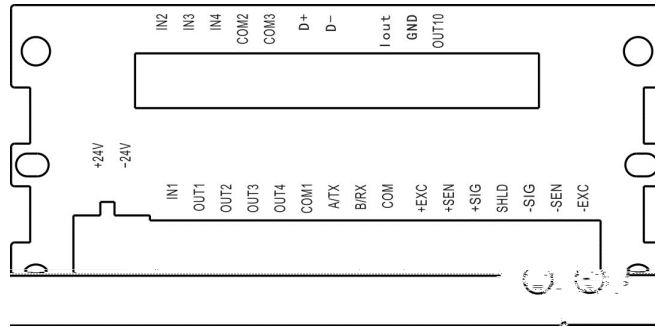
(W x H) 104mm X 59mm

(W x H): 92mm x 45mm

93mm X 46mm

3.2

R30.10



R30.10

20~28V

+24V -

24V

+24V	
-24V	

6 350

(58)

+EXC

+SEN

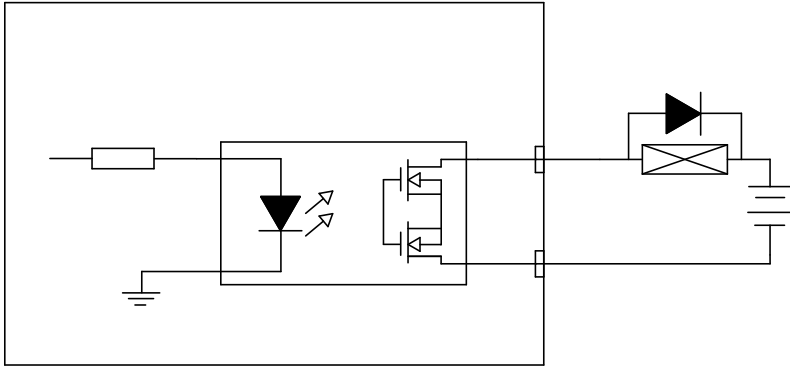
-EXC -SEN





IN4		
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OUT1	SP1	30VDC/200mA
OUT2	SP2	
OUT3	SP3	
OUT4	SP4	



MOSFET

200mA

30V

4~20mA DC0~10V

4~20mA

50

0 DC0~10V

100k

IOUT	
GND	
VOUT	0-10V

D+	
D-	

2

SW1

JP1 JP2 485

SW2

JP1 JP2

232

485

SW2

RS485

SW2

OFF

4.1

ele

	0.0 0.1 0.2 0.5 0.8 1 2 4	0.0 0.1 0.2 0.5 0.8 1 2 4 8 10 20
--	------------------------------	--------------------------------------

0.5d

5d

4.3



Tare			
Zero		0~9	
Select			
Enter			



Tare			
Select			
Enter			

5.1

[F1] [Enter] [Select] [Enter] [Tare] ,
 SW1-
 1 "OFF" F1.4 SW1-1

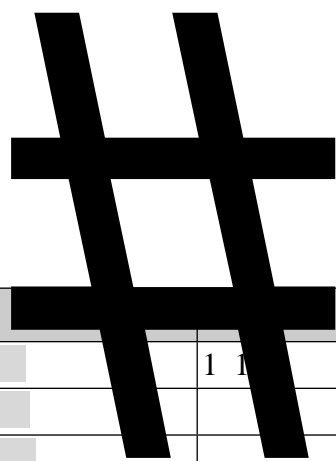
		0.001 0.002 0.005 0.01 0.02 0.05 0.1 0.2 0.5 1 2 5 10 20 50
		50 /
		0 1 2 3
		0 g 1 kg 2 t [Enter]
		0 1 F3.1 0 R30 0 20 — 0

5.2

		[Enter] 10 10
		20%~10
		0% 10 10 [Select]
		P A S S
		[Tare]
		[Enter] 10
		P A S S

E4		0.5uV	
E5			1 2
E6	500	20000	
E7		0	
E8			1 2 () ;
E9		20%	

5.3



		1	1	2
				L=2
				L=2

C1 C2

5.4

		4	1000kg
			4000
		2mV/V,	2.0000

4dV

		0.0d	0.5d/
		0 10	0
		0-9	
		0-10	0

		0 R30	8.1
		1	
		2	
		3 MODBUS RTU	8.2
		4 ASCII	8.3
		5 2	8.4
		F3.1 0	
		0 R30	
		1 R30	
		2400/4800/9600/19200	
		MODBUS	
		RTU	F3.1=3 0 1 2
		0 8 /	
		1 8 /	
		2 8 /	
		3 7 /	
		4 7 /	
		8 /	
		0-99 Modbus	0

7.1 R30

F3.1=0 R30

9600/19200 20Hz

2400/

4800 10Hz

1		=02H
2		A
	.0	
	.1	001 = xxxxxx0 010 = xxxxxx 011 = xxxxx.x
	.2	100 = xxxx.xx 101 = xxx.xxx

0.02kg 24.56kg
 , MODBUS 0998 16 10 2456
 × kg SP1
 50.00kg 5000 10 40010

40001					
40002					
40003	.0	OUT1	0=	/ 1=	
	.1	OUT2	0=	/ 1=	
	.2	OUT3	0=	/ 1=	
	.3	OUT4	0=	/ 1=	
	.4				
	.5				
	.6				
	.7				
	.8				
	.9	0000=0.001	0001=0.002	0010=0.005	0011=0.01
	.10	0100=0.02	0101=0.05	0110=0.1	0111=0.2
	.11	1000=0.5	1001=1	1010=2	1011=5
	.12	1100=10	1101=20	1110=50	1111
	.13				
	.14				
.15					
40010		SP1			
40011		SP2			
40012		SP3			
40013		SP4			
40101	.0				
	.1	F2.2=1			
	.2				
40103		0 xxxx xxxx			

7.3 ASCII

7

16 52 45 41 44 0d 0a

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

	1		2															
	S	T	,	G	S	,	+				1	2	8	8	k	g	C R	L F

1 ST US

2 NT GS

kg

CR LF

16

YES<CR><LF> NO?<CR><LF>

16

YES<CR><LF> NO?<CR><LF>

TARE OFF<CR><LF>

16

YES<CR><LF> NO?<CR><LF>

0

1

<ENQ>ID01<CR><LF> 16 05 49 44 30 31 0d

0a

<ACK>01<CR><LF> 16 06 30 31 0d 0a

7.4

2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	1			2														
	S	T	,	G	S	,	+				1	2	8	8	k	g	C R	L F

1 ST US

2 NT GS

kg

CR LF

x=0

SP1 OUT1
SP2 OUT2
SP3 OUT3
SP4 OUT4

x=1

SP1 OUT1
SP2 OUT2
SP3 OUT3
SP4 OUT4

(1) Select + Enter SP1 Enter

 Select Zero Enter

(2) Select SP1

(3) Select SP1->SP2->SP3-

>SP4 Tare

F5.1

x=none

x=4-20 4~20mA

x=0-10 DC0~10V

F5.2

x=0

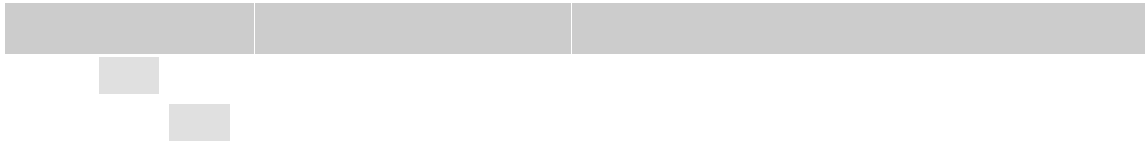
 x=1

[0 FAS]

10.1

		<p>'0' '1' IN1 '2'</p> <p>IN2 '3' IN3 '4' IN4</p>

10.2



12.1

2.5mm

12.2

12.3

	1 2	1 2
	1 2	1 2
“-o.L”		1 2 3 4
“ o.L”		1
“No”	1 2 3	1 2 3
“No”	1 1d 2 3	1 2 3
		SW1- 1 “OFF” 4.2.6

E0		F2.7 =0
E4	0.5uV	
E5		1 2
E6	20000 500	
E7	0	

E8		1 2 ());
E9	20%	1 ());
no		
RdErr		
EE-Err	EEPROM	

1	R30.10	1	
2	R30.10	1	
3	2.5mm	1	
4	M3	2	
5		1	

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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