

# Weighing Indicators





VALUE EACH GRAM

Weighing indicators



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# Weighing Indicators

- **K Series** ..... 5
  - Series K1 ..... 6
  - Series K7 ..... 8
  - Series K9 ..... 10
  - K3000 ..... 12

*High-end K series indicators with higher ingress protection and multiple functions, more suitable for weighing requirements with high accuracy demand and harsh environment.*

- **X Series** ..... 13
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  - X6 ..... 18

*Basic X series indicators, which are widely used for most weighing needs, for standard weighing platforms.*

- **Y Series** ..... 19
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*Weighing transmitter and controller support multiple protocols and multiple analog output, relay combination supports multi-material batching.*

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# K Series

## K1

IP67

FSTN LCD or LED  
1/60,000 Resolution  
1-12 load cells  
RS232



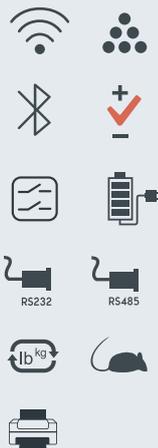
## K7

IP54

IP65

IP67

FSTN LCD  
1/30,000 Resolution  
1-8 load cells  
RS232\*2



## K9

IP67

IP68

IP69K

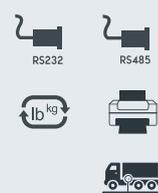
FSTN LCD  
1/60,000 Resolution  
1-12 load cells  
RS232\*2



## K3000

IP65

Dot-Matrix LCD  
1/60,000 Resolution  
1-24 load cells  
RS232 + RS485



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**HiWEIGH**  
SERIES K1



## SPECIFICATIONS

Units	kg/lb
Output	RS232*1
Display Resolution	1/60,000
A/D Rate	30 times/second
Operating Temperature	-10 °C - 40 °C

## FUNCTIONS

- Counting
- Hold
- Checkweigh(K1C,K1CS)
- Classifying
- Animal weighing
- x10 accuracy
- APW enhancement
- Multi range selectable
- Linearity calibration selectable
- Multi communication protocols

## MODELS

Model	Part No.
K1	101001
K1C	101002
K1S	101003
K1CS	101004

## OPTIONAL

Accessories	Part No.
Bluetooth	109004
Bluetooth-(With app)	109005
RS485	109006
4-20mA	109007
USB--K1C/K1CS	109016
WiFi	109017
Adjustable pole holder	109020

## FEATURES

- Default with RS232 interface  
*Which makes it work with printer, remote display or other devices.*
- Double O-rings, air and moisture vent
- Fast respond
- PMMA screen protector  
*Avoid being damaged by sharp objects.*
- Display 180° rotation installation  
*Read the weight from two directions.*
- 5V USB Type-C interface for power  
*Mobile phone charger or any other 5V USB Type-C charger.*

## EXCITATION

### Power

5V USB Type-C Charger  
3.7V4Ah Li-ion Battery  
100-240V AC (optional)

### Load cell

6\*350Ω  
12\*700Ω





K1  
K1C

IP67

#### ENCLOSURE

ABS

#### DISPLAY

Green 0.8" LED (K1)  
1.5" FSTN LCD (K1C)

#### PACK SIZE

1190\*720\*160mm (8pcs)

#### WEIGHT

12.2kg (8pcs)



K1S  
K1CS

IP67

#### ENCLOSURE

SUS304 stainless steel

#### DISPLAY

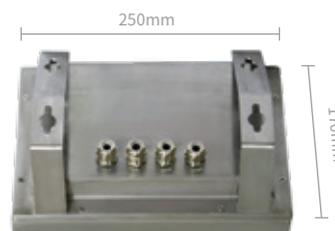
Green 0.8" LED (K1S)  
1.5" FSTN LCD (K1CS)

#### PACK SIZE

720\*440\*520mm (8pcs)

#### WEIGHT

23kg (8pcs)



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**HiWEIGH**  
SERIES K7



## SPECIFICATIONS

Display	Backlit FSTN LCD display
Units	kg / lb / g / oz
Output	2*RS232+1*RS485--K7, K7A, K7S 1*RS232+1*RS485--K7P
Display Resolution	1/3,000-1/30,000
A/D Resolution	1,000,000
A/D Rate	10 times/second
Operating Temperature	-10 °C - 40 °C

## MODELS

Model	Part No.
K7	101007
K7A	101008
K7S IP54	101009
K7S IP65	101010
K7P	101011

## OPTIONAL

Accessories	Part No.
Relay 4 output	109003
Bluetooth	109004
Bluetooth-(With app)	109005
4-20mA	109007
Ethernet	109012
WiFi	109017



## FUNCTIONS

- Continuous, print or Modbus output--K7, K7A, K7S
- Checkweigh
- Counting
- Accumulation (up to 2000 records)
- Animal weighing
- Hold
- x10 accuracy
- Percentage weighing
- Postive/negative weighing
- Minus weighing
- Manual and auto tare
- Multi setpoints configuration

## FEATURES

- 37mm backlit FSTN LCD display  
*The best full view angle LCD makes it read clearly anywhere and anytime.*
- Default with double RS232 interface  
*Which makes it work with printer, remote display or other device simultaneously.*
- The K7 family indicators are widely used for most weighing needs.

## EXCITATION

Analog Input Signal

±10mV

Power

100-240V AC

6V4Ah Rechargeable Battery-K7/K7A

6V2.8Ah Rechargeable Battery-K7S/K7P

Load cell

1-4\*350Ω

1-8\*700Ω

**K7**

**IP67**

**ENCLOSURE**

PBT

**PACK SIZE**

1190\*720\*160mm (8pcs)

**WEIGHT**

21.2kg(8pcs)



**K7A**

**IP54**

**ENCLOSURE**

PBT

**PACK SIZE**

480\*590\*600mm (15pcs)

**WEIGHT**

28kg(15pcs)



**K7S**

**IP65**

**ENCLOSURE**

SUS304 st

**PACK SIZE**

480\*590\*600mm (12pcs)

**WEIGHT**

27kg(12pcs)



**K7P**

**IP54**

**ENCLOSURE**

SUS304 stainless steel

**PACK SIZE**

540\*470\*400mm (5pcs)

**WEIGHT**

18.5kg(5pcs)



**K7P PRINTER**

- > Label printer with edit APP
- > Printer works with receipt or label, automatic detection
- > Paper width: 57.5(+/-0.5)mm
- > Printing width: 48mm (384dots)
- > The resolution is 203DPI, 8 dots/mm
- > Paper roll diameter: 80mm (Max)
- > Working life of print head: 50km

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SERIES K9



## SPECIFICATIONS

Display	Big backlit FSTN LCD display
Units	kg / lb / g / oz
Output	RS232*2
Display Resolution	1/3,000-1/30,000
Operating Temperature	-10 °C - 40 °C

## FUNCTIONS

- Hold
- Checkweigh
- Animal weighing
- Counting
- x10 accuracy
- Shortcut keys settings
- Continuous and stable output
- Multi communication protocols

## MODELS

Model	Part No.
K9	101012
K9La 6v battery	101013
K9Li 7.4v Li-ion battery	101014
K9S	101015
K9SLa 6v battery	101016
K9SLi 7.4v Li-ion battery	101017
K9A	101018
K9ALa 6v battery	101019
K9ALi 7.4v Li-ion battery	101020

## OPTIONAL

Accessories	Part No.
Bluetooth	109004
USB	109016
WiFi	109017
Alarming light	109018
Pedal or mechanical switch	109019

## FEATURES

- Multi checkweigh function
  - > Three small LED lights for check weighing alarm.
  - > Different backlights can be set for different weight reading ranges.
  - > Optional an external three-color warning light.
- 3× output and 1× input, Zero/Tare/Print can be operated by foot pedal

## EXCITATION

### Power

100-240V AC  
9-24V DC  
6V1.2Ah / 7.4V6.8Ah  
*(Rechargeable Battery)*

### Load cell

1-6\*350Ω  
1-12\*750Ω





**K9**

**IP68**

**IP69K**

**ENCLOSURE**

PBT+PC  
Capacitive touch keys

**PACK SIZE**

1190\*720\*160mm (8pcs)

**WEIGHT**

20.88kg (8pcs)

**K9A**

**IP67**

**ENCLOSURE**

PBT

**PACK SIZE**

1190\*720\*160mm (8pcs)

**WEIGHT**

20.88kg (8pcs)

**K9S**

**IP67**

**ENCLOSURE**

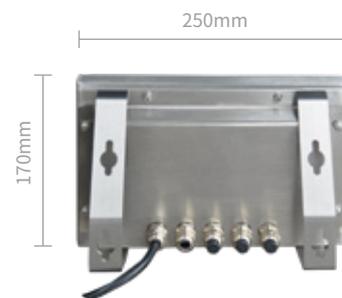
SUS304 stainless steel

**PACK SIZE**

720\*440\*520cm (8pcs)

**WEIGHT**

23kg (8pcs)





## SPECIFICATIONS

Display	240*128mm LCD display
Units	kg / ton / lb
Output	1*RS232 and 1*RS485
Display Resolution	1/3,000-1/60,000
A/D Rate	120 times/second
Operating Temperature	0 °C - 40 °C
Enclosure	SUS304 stainless steel

## FUNCTIONS

- Auto zero range
- Programmable date to lock
- Continuous and stable output
- Multi communication protocols

## MODELS

Model	Part No.
K3000	102002
K3000D	102003

## OPTIONAL

Accessories	Part No.
ScaleX operating system	109011
Ethernet	109012
Multi-range	109013
Keyboard connecting	109014



## FEATURES

**IP65**

- Default with 1\*RS232 and 1\*RS485  
*The RS232 with adjustable baud rate.*
- Fast response
- 26 function keys  
*Easy to operate.*
- All communication interface isolation and Anti-surge design  
*It is more suitable for tank trucks and so on.*
- Analog version – K3000:  
*Drive up to 12\*3500Ω load cells*
- Digital version – K3000D:  
*Working with HBM\* AWT\* FLINTEC\* CAS\* ZEMIC\* and more digital load cells*  
*\*All brands and logo belong to the owner.*

## EXCITATION

Power

100-240V AC

Load cell

12\*3500Ω--K3000

Digital load cells--K3000D

## PACK SIZE

330\*260\*210cm (1pcs)

## WEIGHT

3kg (1pcs)

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# X Series

## X1

IP54

IP65

1.5" red LED  
 1/30,000 Resolution  
 1-8 load cells  
 RS232

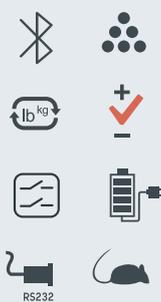


## X2

IP54

IP65

1" Backlit LCD  
 1/30,000 Resolution  
 1-8 load cells  
 OIML



## X6

IP54

0.8" green LED  
 1/30,000 Resolution  
 1-24 load cells  
 RS232





## SPECIFICATIONS

Display	38mm (1.5") LED
Units	kg/lb
Output	RS232*1
Display Resolution	1/3,000-1/30,000
A/D Resolution	100,000
A/D Rate	40 times/second
Operating Temperature	-10 °C - 40 °C

## FUNCTIONS

- Counting
- (Peak) Hold
- Totalization
- Animal Weighing
- Zero tracking
- Digital filter
- Power saving

## MODELS

Model	Part No.
X1	101023
X1S IP54	101024
X1S IP65	101025
X1P	101026

## OPTIONAL

Accessories	Part No.
S.S. bracket(X1)	109001
Relay 2 output	109002
Relay 4 output	109003
Bluetooth-(X1/X1S)	109004
Bluetooth-(With app, X1/X1S)	109005
Ethernet/WiFi-(X1/X1S)	109006
WiFi-(X1/X1S)	109007
RS485	109008
4-20mA	109009

## FEATURES

- Large 38mm red LED display  
*Easy to read from far distance.*
- Default with RS232 interface  
*which makes it work with printer, remote display or other devices.*
- The RS232 with continuous output or print output
- The X1 family indicators are widely used for most weighing needs.

## EXCITATION

### Power

100-240V AC

12V DC Adaptor

Rechargeable Battery

### Analog Input Signal

-1-10mV

### Load cell

1-4\*350Ω

1-8\*700Ω





X1

IP54

**ENCLOSURE**

ABS

**BATTERY**

6V4Ah

**PACK SIZE**

480\*590\*600mm (15pcs)

**WEIGHT**

29kg(15pcs)



X1S

IP54

IP65

**ENCLOSURE**

SUS304 stainless steel

**BATTERY**

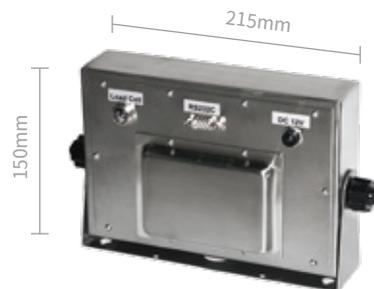
6V2.8Ah

**PACK SIZE**

480\*590\*600mm (12pcs)

**WEIGHT**

27kg(12pcs)



X1P

IP54

**ENCLOSURE**

SUS304 stainless steel

**BATTERY**

6V2.8Ah

**PACK SIZE**

540\*470\*400mm (5pcs)

**WEIGHT**

18.5kg(5pcs)



**X1P PRINTER**

- > Built-in lable printer
- > Lable-edit APP
- > Auto-select of receipt or label printing
- > Easy to edit and print barcode, QR code

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SERIES X2



## SPECIFICATIONS

Display	Backlit LCD display
Units	kg / g / lb / oz
Approval	OIML & EU Type
Display Resolution	1/3,000-1/30,000 (approved 1/6,000)
A/D Resolution	10,000,000
A/D Rate	60 times/second
Operating Temperature	0 °C - 40 °C

## FUNCTIONS

- Hold
- Counting
- Totalization
- Checkweigh
- Animal weighing
- Zero range programmable
- G value (gravity) adjusting

## MODELS

Model	Part No.
X2	101027
X2 OIML	101028
X2SS	101029
X2SS OIML	101030

## OPTIONAL

Accessories	Part No.
Bluetooth-(With app)	109005
WiFi	109007
Bluetooth	109010
Relay 3 output	109011
RS232	109012

## FEATURES

- OIML and EU Type approval  
*Professional for legal trade weighing platforms or weighing system.*
- Small but powerful, designed in compact housing, X2 and X2SS meet your different weighing needs.
- Many optional accessories make your scale with more functions.  
*such as RS232, Bluetooth etc, which make sure it can work with the customer's printers, ERP system and other IoT solutions.*

## EXCITATION

Power  
100-240V AC  
12V DC Adaptor

Analog Input Signal  
-10-15mV

Load cell  
1-4\*350Ω  
1-8\*700Ω





**X2**

**IP54**

**ENCLOSURE**

ABS  
stainless steel bracket

**FEATURES**

Plastic pole holder

**PACK SIZE**

150\*430\*680mm (10pcs)

**WEIGHT**

13.5kg (10pcs)



**X2SS**

**IP65**

**ENCLOSURE**

SUS304 stainless steel

**FEATURES**

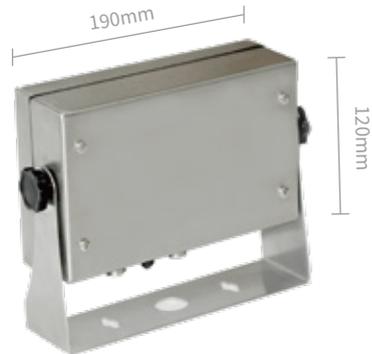
Stainless steel pole holder

**PACK SIZE**

870\*330\*360mm (10pcs)

**WEIGHT**

27 kg (10pcs)





## SPECIFICATIONS

Display	Green LED
Units	kg / ton
Output	RS232*1
Display Resolution	1/3,000-1/30,000
A/D Resolution	1,500,000
A/D Rate	60 times/second
Operating Temperature	0 °C - 45 °C
Enclosure	Stainless steel

## FUNCTIONS

- Auto zero range
- Programmable date to lock
- Lock with 130% F.S overloading
- Manual or automatic printout
- 200 vehicle numbers and tares
- 2000 weighing records and 10 unit prices
- Daily, monthly statistics reports (By time, vehicle or goods numbers)
- Selectable digital filter
- Continuous and stable output

## MODELS

Model	Part No.
X6	102001

## OPTIONAL

Accessories	Part No.
Bluetooth	109004
Ethernet/WiFi	109006
ScaleX operating system	109013



## FEATURES

IP54

- Default with RS232 interface
  - > Which makes it work with printer, remote display or other devices.
  - > The RS232 with continuous or print output.
  - > The RS232 with adjustable baud rate.
- 28 function keys
  - > Easy to operate
  - > Parallel printer port, work with dot matrix printers, like Panasonic KX-P1131+, etc.

## EXCITATION

### Power

100-240V AC

6V4Ah Rechargeable battery

### Load cell

1-12\*350Ω

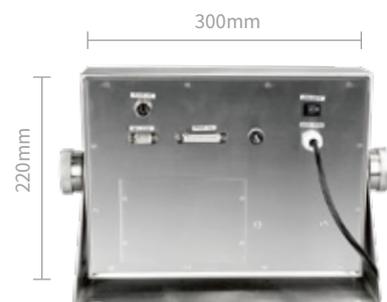
1-24\*750Ω

### PACK SIZE

420\*590\*600mm (4pcs)

### WEIGHT

21kg(4pcs)



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**HiWEIGH**

# Y Series

## Y180

*LED*

*1/100,000 Resolution*

*1-6 load cells*

*RS232 + RS485*

*Modbus-RTU*



RS232



RS485



## Y200

*OLED*

*1/100,000 Resolution*

*1-6 load cells*

*RS232 + RS485*

*Modbus-RTU*



RS232



RS485



## Y320

*OLED*

*1/100,000 Resolution*

*1-6 load cells*

*RS232 or RS485*

*Modbus-RTU*



RS232



RS485



**PROFI**  
**BUS**

**PROFI**  
**NET**



## FEATURES

**IP20**

- Modular design, DIN rail type installation
- 24bit A/D, 200times/s
- Fast respond

## EXCITATION

Power  
24V DC

Load cell  
1-6\*350Ω

Minimum input sensitivity  
0.6μV/d

## PACK SIZE

160\*200\*350mm (20cs)

## WEIGHT

5kg(20pcs)

## SPECIFICATIONS

Install Method	Din Rail
Display	Green LED
Output	RS232*1 & RS485*2
Display Resolution	100,000
A/D Rate	200 times/second
Operating Temperature	-10 °C - 40 °C

## FUNCTIONS

- Multi-points linearity calibration
- Analog output calibration
- Analog output (voltage): 0-5V, 0-10V, -5V-+5V, -10V-+10V
- Analog output (current): 0-20mA, 4-20mA, 0-24mA

## MODELS

Model	Part No.
Y180-B	103001



RS232



RS485

Modbus-RTU



## SPECIFICATIONS

Install Method	Din Rail
Display	OLED
Output	RS232*1 & RS485*1
Display Resolution	100,000
A/D Rate	200 times/second
Operating Temperature	-10 °C - 40 °C

## FUNCTIONS

- Analog output calibration
- Multi-applications:
  - Increasing mode*
  - Decreasing mode*
  - Gross filling mode*
  - Net filling mode*
  - Checkweigh mode*
  - 3 materials recipes*

## MODELS

Model	Part No.
Y200-B	103002
Y200-IO	103003
Y200-DA	103004



16bit D/A output,  
for 0-20mA, 4-20mA, 0-24mA

2 Input and 4 Output

## FEATURES

**IP20**

- Modular design, DIN rail type installation
- 24bit A/D, 200times/s
- Fast respond

## EXCITATION

Power  
24V DC

Load cell  
1-6\*350Ω

Minimum input sensitivity  
0.6μV/d

## PACK SIZE

160\*200\*350mm (20pcs)

## WEIGHT

4kg(20pcs)



Modbus-RTU



## SPECIFICATIONS

Install Method	Panel mounting
Display	Green LED
Output	RS232*1 or RS485*1
Display Resolution	100,000
A/D Rate	200 times/second
Operating Temperature	-10 °C - 40 °C

## FUNCTIONS

- Free calibration
- Free setpoint setting
- 1 material fast and fine filling
- 1-4 materials batching
- Auto or manual feeding
- Auto or manual discharging
- Vibration detecting and track

## MODELS

Model	Part No.
Y320-B	103005
Y320-IO	103006
Y320-DA	103007
Y320-DP	103008
Y320-PN	103009
Y320-IP	103010
Y320-TCP	103011

## DIFFERENCES

- Y320-B: 1\*Input and 4\*Output
- Y320-IO: 4\*Input and 8\*Output
- Y320-DA: 16bit D/A output, for 0-5V, 0-10V, -5V-+5V, -10V-+10V, 0-20mA, 4-20mA, 0-24mA
- Y320-DP: Profibus-DP
- Y320-PN: Profinet-IO
- Y320-IP: Ethernet/IP
- Y320-TCP: Modbus-TCP

## FEATURES

Front panel

IP65

- 24bit A/D, 200times/s
- Fast respond
- Percentage weight view
- x10 resolution selectable
- Digital filtering set
- Multi output choices

## EXCITATION

Power  
24V DC

Load cell  
1-6\*350Ω

Minimum input sensitivity  
0.6μV/d

## PACK SIZE

250\*250\*350mm (20pcs)

## WEIGHT

11kg(20pcs)



Modbus-RTU



RS232



Modbus-TCP



RS485

EtherNet/IP





### RBlue

**Part No.** 134001 - RS232 to Bluetooth

- Comes with Android APP
- Weight data recording in excel format
- Multi-brand serial protocols
- Adapter to all indicator except X1P



### DRecorder

**Part No.** 134002 - Data Recorder

- Store the information output by RS232 to USB flash drive or TF memory card in CSV/TXT format
- Adapt to all indicators except X1P



### P401 Thermal

**Part No.** 130001

- Barcode label printer
- Paper width of 25.4-108mm
- USB-RS232 interface
- Working with indicators directly
- Multi-language editing software



### PT2 Thermal

**Part No.** 130003

- Portable thermal printer
- Working with 57mm paper
- USB-RS232 interface



### MDS



Part No.	Model	LED	IP	Material	Features
131001	MDS3	3"			<ul style="list-style-type: none"> <li>• 6 different models of LED display.</li> <li>• High luminance and good stability.</li> <li>• Working with indicators of most indicator brands, like HiWEIGH, Moorange, Mettler Toledo*, Vishay*, Sartorius*, Rice Lake*, Flintec*, CAS*, Ohaus*, etc.</li> </ul> <p><small>* Indicator models need to be informed upon order placed. * All brands and referred property belong to respective trademark holders.</small></p>
131002	MDS5	5"	IP54	SUS201 S.S.	
131003	MDS8	8"			
131004	MDSS1.2	1.2"			
131005	MDSS3	3"	IP65	SUS304 S.S.	
131006	MDSS5	5"			

## Sales Management



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**HiWEIGH**

# Weighing Indicators

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