

Precise digital ground scale

advantages

1. accurate:

Directly process digital signal, eliminate shortcomings of analog weighing instruments in sensitive areas

2.strong anti-interference ability:

A/D conversion inside the sensor, directly output digital signal, enhance the anti-interference ability of the system and improve the resolution and stability of the signal.

3.intelligentization:

More concise, convenient and user-friendly in fault detection, accurate on-site identification of faulty sensor, automatic digital angle correction, digital linear correction and independent sensor measurement value detection.

4.strong adaptability:

The digital scales have lower requirements for the on-site use environment and sensor sensitivity compared to analog scales, and have a wider range of signal processing than analog scales.

5.anti-cheating:

The transmission and processing of pure digital signals eliminate the possibility of measurement cheating by changing analog signals, enhancing the safety and accuracy of the scales.



Models

Model	Capacity (t)	Size LxW(m)	Division value (kg)
SCS-1	1	1.5X1.5	0.5
SCS-2	2	1.5x2	1
SCS-3	3	2x2	1
SCS-5	5	2x4	1
SCS-10	10	6x2.5	5
SCS-20	20	6x2.5 7x3	5
SCS-30	30	12x3	10
SCS-40	40	12x3 14x3	10
SCS-50	50	14x3 14x3.2	20
SCS-60	60	14x3 14x3.2	20
SCS-80	80	16x3 16x3.2	20
SCS-100	100	16x3 16x3.2 18x3	50
SCS-120	120	18x3.2 21x3.4	50
SCS-150	150	18x3.2 21x3.4	50
SCS-200	200	18x3.2 21x3.4	50

Specifications

1.Accuracy: Meets the requirements of the accuracy level scale, as shown in the table below:

Weighing	error (represented by e)	
	New installation and after repair	During use
0-500e	$\pm 0.5e$	$\pm 1.0e$
> 500~2000e	$\pm 1.0e$	$\pm 2.0e$
> 2000e	$\pm 1.5e$	$\pm 3.0e$

2. It has functions of automatic reset upon startup, zero point automatic tracking, keyboard calibration, overload alarm, etc

3.working temperature: -10°C to $+40^{\circ}\text{C}$

4.power: AC187-242V,49-51Hz

5.stable time: 5S

Weighing load cell

1. High precision, high reliability, and good stability
2. Adopting a bridge structure, it can automatically reset and adjust its center, and has good resistance to lateral force and impact
3. Easy installation and good interchangeability
4. Adopting advanced A/D conversion technology and intelligent filtering and compensation algorithms, it can output stable 1 million codes (with an internal resolution code of 16 million codes)
5. Adopting a 4-wire RS485 transmission system (with a total of 6 wires for power supply), full duplex transmission, faster speed, and higher transmission reliability
6. Reliable data storage technology ensures that module parameters are not lost
7. Has good electromagnetic compatibility performance and super strong electrostatic protection capability
8. Adopting a low functionality design, the function is only 11mA, and the power consumption of the digital sensor is about 25mA. It can effectively reduce heat generation and extend transmission distance.



Weighing indicator

- 1.fast speed and can view the output signal , auto/manual correct deviation, auto detect the working condition of each digital load cell
- 2.good consistency, and no need to recalibrate when replace new indicator. Simply enter the parameters of the original indicator to use.
- 3.adopt hardware protection to effectively reduce external interference and interface damage.



Junction box

- 1.SS shell, dedicated sealing joint, durable and well sealed
- 2.adopt high precise and low drift resistors and potentiometers to ensure the accuracy and stability
3. Sensor wiring and signal cable connection are equipped with wiring terminals to ensure reliable connection

