



Analog or Digital Modular Full-electronic Truck Weighing Scale SCS



Comprehensive structure and function features

- Module, standard and serial scale body, multi-unit assembly
- Auto-resetting, force-transmitting mechanism
- Analog / digital double shearing-beam, bridge-type load cell made of alloy steel
- Analog / digital full-sealing, column-type load cell made of stainless steel, strong water-proof and anti-corrosive function
- Gross weight, net weight and tare displaying
- State displaying of trend, short load, over load, etc.
- Digital wave filtering, auto zero tracking
- Auto deducting tare, clearing tare
- Keyboard setting / calibrating
- Vehicle number and tare memorizing, single and total item accumulating
- Auto breakdown diagnosing
- Data output / auto printing
- Double lightning protection
- Auto-compensation of temperature, linearity, creep and hysteresis (digital)

Comprehensive technical parameter

- Accuracy class: OIML III
- Weighing range: 10 ~ 120t
- Length of platform assembly: 6 ~ 24m
- Platform width: 3 / 3.4m
- Safety overload: 130% Max
- Max transmitting distance of analog signal: 100m
- Max transmitting distance of digital signal: 1000m
- Operating power supply: 240 / 220 / 110VAC, 50 / 60Hz
- Relative humidity: < 95%
- Working temperature: -10 ~ +40°C (indicator), -30 ~ +65°C (scale body)

Note: The lowest working temperature of scale body can be down to -40°C according to user's demand

Features of digital truck scales

1. Numeral transformation technology and compensation

- The Inner part of the weighing load cell contains module conversion device and CPU processing unit.
- Auto-compensation with digital technology to the parameter of load cell such as non-linearity, temperature, etc.

- Free of calibrating for the scale if the load cells are replaced.
2. With the calibrating and digital technology, bias-load (four corners) calibration of the truck scale can be completed only once.
 3. Digital communications technology
 - The central line structure can be used by several weighing load-cells (up to 32) in the same system.
 - RS485 interface is used and long-distance signal transmission is possible, with the transmission distance not less than 1000m.
 - Output signal at 3~4V strengthens the capability of anti-interference and lightning protection of the system.
 4. Intelligent technology
 - The parameter of the load cell can be changed according to the orders.
 - Different wave-filtering ways can be adopted according to different situations.
 5. Module, standard and series scale body, multiunit assembly
 6. Digital load cell of full-sealing column and laser-welded stainless steel, with accuracy of C3, strong water-proof and anti-corrosive function

Model and specifications

Model	SCS-10	SCS-20	SCS-30	SCS-40	SCS-50
Max. capacity (t)	10	20	30	40	50
Standard division (kg)	5	5, 10	10	10	20
Accurate division (kg)	2	2	5	5	5
Load cell capacity (t /pc)	5	8	20	30	30
Platform size: W×L (m)	Optimization size				
3×6 (single section)	△	△	△	△	△
3×7 (single section)	△	△	△	△	△
3×8 (single section)			△	△	△
3×9 (single section)			△	△	△
3×10 (single section)			△	△	△
3×12 (dual sections)			△	△	△
3×14 (dual sections)				△	△
3×16 (dual or three sections) 3.4×16 (dual or three sections)					△

3×18 (dual or three sections)					
3.4×18(dual or three sections)					
3.4×21 (three sections)					
3.4×24 (three or four sections)					

Model	SCS-60	SCS-80	SCS-100	SCS-120
Max. capacity (t)	60	80	100	120
Standard division (kg)	20	20	20, 50	20, 50
Accurate division (kg)	5	10	10	10
Load cell capacity (t /pc)	30	30	30	40
Platform size: W×L (m)	Optimization size			
3×6 (single section)				
3×7 (single section)	△			
3×8 (single section)	△			
3×9 (single section)	△			
3×10 (single section)	△			
3×12 (dual sections)	△	△		
3×14 (dual sections)	△	△		
3×16 (dual or three sections)	△	△	△	
3.4×16 (dual or three sections)				
3×18 (dual or three sections)	△	△	△	△
3.4×21 (three sections)		</span		