

Electronic Truck Scale Technical Parameter Table

1. Overall Technical Specifications

No.	Parameter	Specification
1	Product Model	SCS-100T (Width 3 m, Length 16 m)
2	Maximum Capacity (MAX)	100 t
3	Verification Scale Interval (d)	20 kg
4	Accuracy Class	Class III
5	Platform Dimensions (m)	3 m × 16 m (3-section platform)
6	Scale Body Structure Type	10 mm steel plate deck + U-shaped steel beams
7	Maximum Safe Overload	200% F.S
8	Power Supply	220 VAC (-15% ~ +10%), 50 Hz ±2%
9	Load Cell Operating Ambient Temperature	-30°C ~ +70°C
10	Indicator Operating Ambient Temp./Humidity	-10°C ~ +40°C; 10% ~ 95% (non-condensing)

2. Keli QS-D Digital Bridge Load Cell Specifications

No.	Parameter	Specification
1	Rated Capacity (E _{max})	40 t
2	Digital Calibration Accuracy	≤0.005 %C _n
3	Accuracy Class (OIML R60)	C3
4	Maximum Verification Interval Count	3000
5	Minimum Verification Interval (V _{min})	E _{max} /15000
6	Combined Error	≤0.0200 %R _O
7	Creep (30 min)	≤0.0166 %R _O
8	Sensitivity Temperature Coefficient	≤0.0010 %/°C
9	Zero Temperature Coefficient	≤0.0009 %R _O /°C
10	Supply Voltage	9...12 VDC
11	Compensated Temperature Range	-10 ~ +40 °C
12	Operating Temperature Range	-30 ~ +70 °C
13	Safe Overload	150 %E _{max}
14	Ultimate Overload	300 %E _{max}
15	Communication Interface	Digital transmission

No.	Parameter	Specification
16	Material	Alloy steel
17	Sealing	Fully welded metal seal
18	Protection Class	IP65

3. Keli D12 Stainless Steel Weighing Indicator Specifications

No.	Parameter	Specification
1	Accuracy Class	Class III
2	Accuracy	10000 (single range)
3	Display	LCD display, 240×128 dot matrix screen
4	Keys	Full digital, navigation keys, shortcut keys
5	Division Count	1000–60000
6	A/D Rate	120 times/s
7	Input Sensitivity	Min. 0.1 μ V/e
8	Applications	Normal, 2-pass & preset-tare weighing
9	Communication Interface	RS232C & RS485
10	Excitation Voltage	DC 12 V
11	Load Cell Communication Interface	RS485, surge & lightning protected
12	Max. Connectable Load Cells	Up to 16 $\times$ 350 Ω load cells
13	Serial Communication	RS232C / RS485
14	Operating Temperature	0°C ~ +40°C, RH $\leq$ 85%
15	Fault Diagnosis	Comprehensive load cell fault diagnosis
16	Enclosure Material	Stainless steel
17	Protection Design	Waterproof & dustproof design
18	Protection Class	IP65

4. Product Manufacturing Standards

The design, manufacture and testing of the truck scale comply with the following standards (latest editions):

- GB/T 7723-2017 Fixed Location Electronic Weighing Instruments
- GB/T 7551-2008 Load Cells
- GB/T 7724-2008 Electronic Weighing Indicators
- JJG 539-2016 Digital Indicating Weighing Instruments

5. Measuring Instrument Manufacturing License

Manufacturing License No.: (Su) Manufacturing No. 00000571

Manufacturer: Xuzhou Speyer Weighing Equipment Co., Ltd.