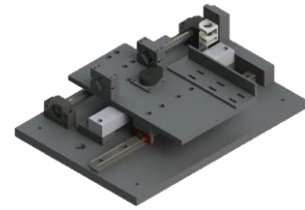


Sensor Calibration System SCS-XXX

- Force, Accelerometer, Displacement, Pressure, Angular Rate, Voltage, Current Sensor Calibration System;
- According to JJF, GB/T, ISO, SAE, etc. Regulation;
- Static Calibration;
- Calibration Range by Required;
- Calibration Fixture Supplied;
- Calibration Parameters by Required.



SCS-XXX serials calibration system mainly focus on vehicle safety test field, including dummy loadcell, seatbelt loadcell, pedestrian protection leg form loadcell, dummy and vehicle body accelerometers, kinds of displacement (as IR-TRACC), Gyro, door pressure sensor, airbag pressure sensor, airbag squib current sensors, and EV/HEV high voltage and current sensor. These calibration systems are suitable to the sensors of general industry.

Specification (Force Calibration System SCS-FO):

Name	Unit	Value
Range	kN	≤45
Loading Method	/	Step/Continues
Cal. Index	Sensitivity, offset, Non-Linearity, Hysteresis, Crosstalk, Shunt.	
Excitation	V	2.5/3.3/5/10
Seatbelt Loadcell Cal.	ISO 17242	Support
Sensor Test Chain	Amp≤10V	Support

Specification (Accelerometer Calibration System SCS-AC):

Name	Unit	Value
Amp. Cal. Range	g	25~2000
Freq. Cal. Range	Hz	20~5000
Regulation	ISO16063	GB/T20485
Cal. Index	Sensitivity, Deviation, Offset	
Excitation for PR	V	5/10
Excitation for IEPE	mA	4
PE Accelerometer	pC input	Support
Sensor with Test Chain	Amp≤10V	Support

Specification (Displacement Calibration System SCS-DS):

Name	Unit	Value
Cal. Range	mm	<2000
Cal. Objects	H3/ES2/WS/THRO/Q Serial Dummy Rib Displacement, Knee Pot. and Other String Pot	
Cal. Index	Sensitivity, Non-Linearity	

Specification (Pressure Calibration System SCS-PR):

Name	Unit	Value
Cal. Range	kPa	≤600
Loading Method	Static	JJF1640-2017
Cal. Index	Sensitivity. Offset. Non-Lin. Hys.	
Excitation	V	5/10

Specification (Angular Rate Calibration System SCS-AV):

Name	Unit	Value
Cal. Range	deg/s	≤15000
Loading Method	Static	JJF1535-2015
Cal. Index	Sensitivity. Offset. Non-Lin. Hys.	
Excitation	V	5/10

Specification (Voltage Calibration System SCS-VO):

Name	Unit	Value
Cal. Range	V	≤1000
Loading Method	Static	DAQ by Step
Cal. Index	Sensitivity. Offset. Non-Lin. Hys.	
Excitation	V	5/10
3-Ch Voltage Sensor	Optional for EV/HEV V1,V2,Vb	

Specification (Current Calibration System SCS-CU):

Name	Unit	Value
Cal. Range	A	≤2500
Cal. Index	Sensitivity. Offset. Non-Lin. Hys.	
Excitation/Power Supply	V	5/10/±15/24

Note: Ampere-turn Method applied Above 100A.