

## SCL

### SURGE CALIBRATION LOAD SET



Surge Calibration Load set

The relating standards\*:  
ISO 7637-2  
ISO 16750-2

\* The Surge Calibration Load set can be used for certain tests within these standards. Additional equipment might be required. For detailed information, please contact [sales@spitzenberger.de](mailto:sales@spitzenberger.de).

- ✓ Calibration kit for ISO 7637-2 and ISO 16750-2
- ✓ Pulse 1, 2a and 5a
- ✓ For peak voltages up to 800 V
- ✓ Resistance 2 Ω / 4 Ω / 10 Ω / 50 Ω
- ✓ Compatible with BSG and LDS
- ✓ Delivered with calibration certificate

## VERSATILE CALIBRATION KIT



## Schematic overview and characteristic

The Surge Calibration Load set (SCL) is designed to verify and measure the pulse output voltage of the BSG or LDS. The set contains four different calibration resistors: 2 Ω, 4 Ω, 10 Ω and 50 Ω.

The SCL can be directly plugged into the BSG or LDS. With a suitable oscilloscope and probe the pulse parameters can be verified.

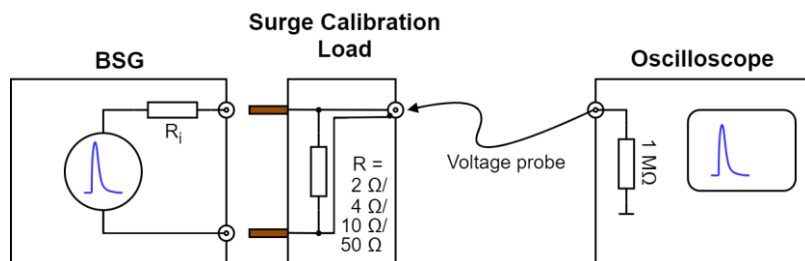


Fig. 1: SCL test setup

## TECHNICAL DATA – SCL

Resistance	SCL			
	2 Ω	4 Ω	10 Ω	50 Ω
	low inductive design			
Accuracy	±1 %			
Max. short time power (at 25 °C case temperature)	100 W			
Max. continuous power (at 25 °C ambient temperature)	10 W			
Input connector	4 mm plug			
Measurement connector	BNC socket			
Ambient temperature	+10 °C up to +40 °C			
Storage temperature	-25 °C up to +60 °C			
Relative humidity	non condensing, max. 80 % for temperature < 31 °C, decreasing linearly to 50 % at 40 °C			
Ingress protection	IP20			
Housing (SCL)	light grey (RAL 7035)			
approx. dimensions (H x W x D)	115 x 75 x 55 mm			
Weight (SCL)	0.45 kg			
Housing (carry case)	black, polypropylene			
approx. dimensions (H x W x D)	279 x 246 x 101 mm			
Weight (carry case)	2.2 kg			