

# LCS-1 / LCS-1D load cell simulator



## product description

The LCS-1 and LCS-1D are used to simulate the output of a single strain gauge based load cell – they are ideal for testing and troubleshooting weighing indicators and weighing systems.

For analogue systems, the LCS-1 is powered from the connected weighing electronics the output is adjustable with the rotary knob between 0 – 2mV/V. The LCS-1D is used to simulate the output from one digital load cell using a RS485 interface. The LCS-1D has an output range between 0 – 400,000 counts which is adjustable by the rotary knob. The compact housing (83mm x 54mm x 33mm) housing is constructed from rugged ABS weighing 200g.

## key features LCS-1

Simulates the analogue signal of one strain gauge load cell

Powered from the connected weighing electronics (e.g. 5V)

Input resistance: 1,000Ω

Adjustable 0-2 mV/V output via rotary knob.

Rugged ABS enclosure, 83 x 54 x 33 mm

Packed weight: 200g

## key features LCS-1D

Emulates one digital RC3D load cell

RS485 half duplex interface, compatible with RC3D

Output signal: 0...400 000 counts; adjustable by a rotary knob

Power requirements: 9... 12V DC, 40 mA

Rugged ABS enclosure, 83 x 54 x 33 mm

Packed weight: 200g

## wiring for the LCS-1

signal	colour
+Exc, +Sense	Blue
+Signal	Green
-Signal	White
-Exc, -Sense	Red



RoHS  
compliant

