

Digital Load Cell Calibration Simulator**Features**

- Useful for scaling and system testing
- -3.1000 to +3.1000 mV/V output
- Numerical and bargraph display of output level
- Load Cell resistance DIP switch selectable as 350, 700, 1000 or 2000 Ω
- Auto power off
- Rechargeable 9V battery and charger
- Uses DC excitation from the display or monitor
- 4 or 6 wire load cell simulation
- Output adjustment down to 0.001mV/V increments
- Push button setup and adjustment
- Rugged stainless steel case

**Introduction**

The SG-PA8201 is a hand held digital load cell simulator which can be used to simulate load cell outputs in the range of -3.1mV/V to +3.1mV/V. The signal output is increased and decreased via the front panel push buttons. For example, when connected to a load cell display which provides 10VDC excitation the SG-PA8201 will allow the output to be varied from -31.000 to +31.000 mV.

A numerical and bargraph indication of the output is provided on the display. The display is also provided with selectable on/off backlight and the auto display off timer which helps conserve battery power.

The unit is supplied with a rechargeable 9V battery and plug in charger.

Specifications**Parameters**

Output	-3.1000 to +3.1000 mV/V
Accuracy / non linearity	0.01% of full scale
Display	LCD black characters
Supply	9V rechargeable battery
Output Resistance	DIP switch selectable 350, 700, 1000 or 2000 Ω
Connections	Pin 1 Excitation + Pin 2 Excitation - Pin 3 Sense - Pin 4 Sense + Pin 5 Signal - Pin 6 Signal + Pin 7 Not in use.
Dimensions	170 x 75 x 30mm approximately
Weight	480 grms.

In the interests of continued product development, Procter & Chester Measurements Limited reserves the right to alter product specifications without prior notice.