



The 7200 load cell simulator employs a number of precision resistors interconnected in a specially designed mesh network, simulating the input and output characteristics of a bridge circuit without introducing the drift problems of the latter.

- **Rapid and accurate calibration of strain gauge readout systems and recorders**
- **Switch selection of 5 commonly used values from 120 to 1000**
- **No drift - either short or long term**
- **High accuracy and light weight**

These units may be used to calibrate readout systems including galvanometric recorders directly in microstrain, eliminating completely any possible error due to tolerances, ambiguity, miscalculation etc, which can arise with spot calibrations furnished by the otherwise employed method of shunting one bridge arm with a high value resistor.

Whereas the scales on the instruments are marked for single-active strain output, the equivalent signals from bridges of other configurations are simply obtained by dividing the set value by the number of arms in the operational bridge.

Product**Type 7200
Load Cell Simulator**

**The World of Load
Measurement and
Stress Analysis**

Equivalent Bridge Resistance	Switch selection of 120, 240, 350, 700 or 1000															
Tolerance	+/- 5%															
Output Range	Switch selection of eleven positions: 9, 0.2, 0.4, 0.6, 0.8, 1.0, 1.2, 1.6, 2.0, 2.5, 3.0 All settings are dual polarity, selected by a \pm switch															
Gauge Factor	Standard units are adjusted to a gauge factor of 2.00.															
Output Accuracy	Approximately +/- 0.5% of setting or +/- 5 microstrain, whichever is greater															
Connection	Terminals are clearly marked and colour coded according to the widely adopted code of American origin. The terminals for wire ends, also accepting standard 4mm plugs, are coded as follows: <table style="margin-left: 40px;"> <tr> <td>P1</td> <td>Red</td> <td>Input</td> </tr> <tr> <td>P2</td> <td>Blue</td> <td>Input</td> </tr> <tr> <td>S1</td> <td>Yellow</td> <td>Output</td> </tr> <tr> <td>S2</td> <td>Green</td> <td>Output</td> </tr> <tr> <td></td> <td>Black</td> <td>Case</td> </tr> </table>	P1	Red	Input	P2	Blue	Input	S1	Yellow	Output	S2	Green	Output		Black	Case
P1	Red	Input														
P2	Blue	Input														
S1	Yellow	Output														
S2	Green	Output														
	Black	Case														
Enclosure	Robust die-cast aluminium box															
Finish	Blue stove enamel with chrome handle															
Dimensions	Casing Size: 92 x 118 x 58mm Overall Size: 120 x 118 x 50mm															

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