NAUGRA®

Product name:	**Product code:**
Strain Gauge Load Cell Sensor Trainer	CMI-NP-1979



Description

Trainer with strain gauge bridge, load cell and instrumentation amplifier for weight measurement experiments. Teaches bridge balancing, calibration and signal amplification. The trainer lets students apply known weights and plot amplifier output to understand strain gauge based force and weight sensing.

Technical specification

Output Display	3.5 digit DVM
Non-linearity	Less than 1 percent
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Strain Gauge Load Cell Sensor Trainer is designed for ITI, polytechnic and TVET laboratories. The trainer lets students apply known weights and plot amplifier output to understand strain gauge based force and weight sensing.

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Features

- Cantilever beam with bonded strain gauges
- Wheatstone bridge with balance control
- Instrumentation amplifier with gain control
- Digital voltmeter readout
- Calibrated weight set

Technical Specifications

Gauge Type	350 ohm foil strain gauge
Load Capacity	0-2 kg
Bridge Excitation	5 V DC
Amplifier Gain	1 to 500