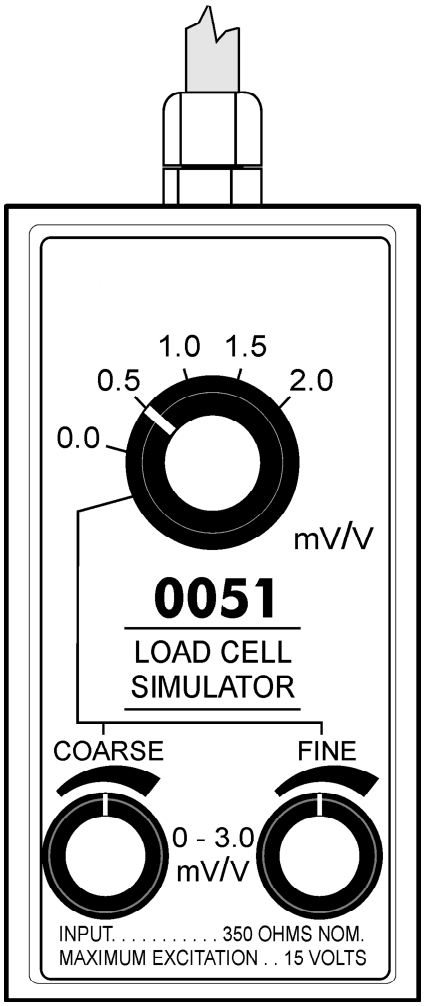
0051 Load Cell Simulator



0 to 2.0mV/V stepped load with 0.5mV/V intervals plus variable 0 to 3.0mV/V load.

Specifications:	Temp. Drift:	Stepped Load	< 10ppm/°C
		Variable Load	< 50ppm/°C
	Accuracy:	Stepped/Variable	< 0.001 mV/V

How to use the 0051

The 0051 can be used for diagnostic and pre-installation temporary calibration purposes.

1) Plug the 0051 directly into the indicator (load cell port).The 0051 is fitted with a M12 connector, wired for direct connection to an indicator. Adaptors are supplied for other wiring configurations.
2) When connected to a calibrated indicator, the reading for each of the stepped (top switch) settings represents a control value for this specific configuration. At any time the 0051 can be re-connected to the same indicator and setup, to reproduce these values.
3) The simulated variable load output is controlled by the two bottom potentiometers, when the stepped switch is set accordingly. The coarse (left) and fine (right) knobs offer from below 0mV/V to above 3.0mV/V output, with the fine setting able to adjust a factor of ~1/100 of this coarse range. This allows the user to simulate an increasing/decreasing load to setup an initial pre-calibration for indicators, before being used in a field installation.

Wiring Chart

Wire	Signal
Red	Positive Excitation
Black	Negative Excitation
Green	Positive Signal
White	Negative Signal
Shield	Earth