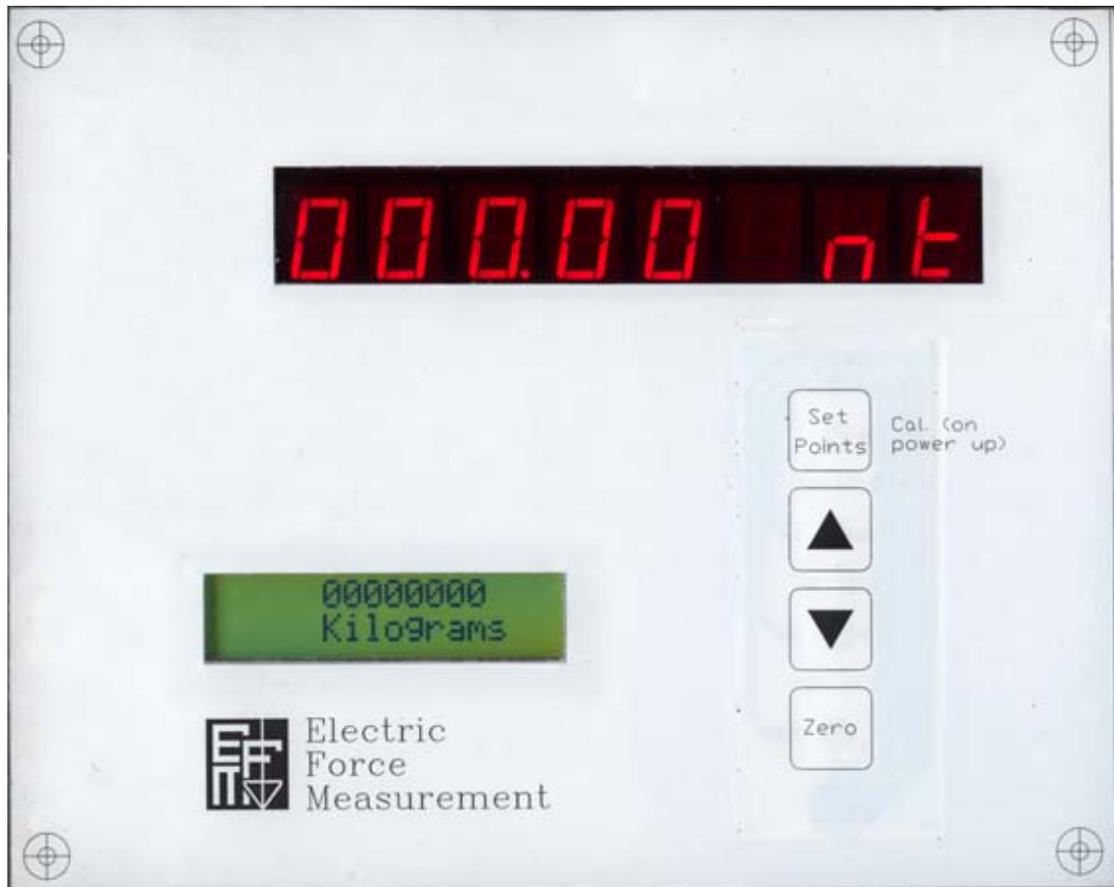


LC9-1 Digital Load Cell Indicator/Controller



for weighing or force measurement,

and batching, mixing, dispensing, packaging, recording, information processing, machine and system control.

Operates alone, or in conjunction with other equipment or a PC.

The LC9-1 measures the weight or force on the load cells connected to it, then processes the information and displays the result, in appropriate units, on the front panel LED display. It can also carry out simple or complex control, monitoring and recording tasks, according to the software package in use. It can be controlled by a PC via the Serial Port, as well uploading and downloading data.

Software functions available:

Digital signal filtering and processing

Push button zero set, calibration and linearity corrections, retained with power off

Peak hold

Alternative units selectable from front panel

Multiple set points set from front panel

Multiple input channels

Multi-ingredient batching systems with recipe storage, multi stage feed, overrun correction and batch and material identification and recording.

Loss in weight batching systems

Counting scale

Axle weighing system with vehicle ID, accumulation and recording.

Accumulation of multiple weighings

Preparation of record files on a PC terminal, including, labelling text, date and time information.

LC9-1 System Specifications

Maximum number of divisions up to 250,000 for 2mV/V load cell set.

Excitation voltage 3 volts.

Accuracy +/- 0.01%

8 Digit superbright 13mm LED display

Backlit LCD Character Display (16 x 2 lines to 20 x 4 or 40 x 2)

RS232c Serial Port

4 (up to 16) key membrane keypad

Real time clock

20 Input/Output lines configurable as open collector relay drivers, digital (including SPI port) or analogue inputs and outputs. These lines can be configured to measure voltage, current, resistance capacitance, frequency and count, and can drive sensors for temperature, flow and other quantities

or provide PWM voltage and current, pulse, frequency and time interval outputs.



Power supply 8 to 24 volts DC or 6 to 18 volts AC

Robust panel mount enclosure. Cutout 167 wide x 127 high

Rear panel 29 way screw terminal strip and 9 pin male D connector.

Manufactured in Australia by



**Electric
Force
Measurement**

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