

## Weighing Indicator/Controller

### Features

- 6 Digit LCD Display with 25.4mm high characters
- Stainless Steel Enclosure
- IP65 Case
- Simple Calibration Routine
- Powers up to 16 Load Cells
- Option : 4-20mA outputs
- Option : AC or DC power
- Option : 16 x Optoisolated I/O ports
- Option : 4 Weighing Channels
- Option : RS232C communications
- Option : Radio Telemetry
- Option : Special Software Writes.



### Introduction

The Excelsior is housed in a high grade stainless steel enclosure (complete with mounting brackets. The display has 6 x 25.4mm high intensity LED indication and a backlit 20 x 2 alphanumeric LCD display. The combination of these displays allow the operator prompts and alphanumeric data to be indicated. The front panel also includes indication of zero, tare, stable and running modes, plus allows full alphanumeric text input via the keyboard.

The Excelsior can individually specify up to 16 optoisolated input and output ports, 1 x RS232C serial ports, 16 bit 4-20

output, battery backed time and date, radio telemetry and up to 4 weighing channels.

#### Excelsior Weighstation (Optional):

This unit employs a 4 x 20 line large character alphanumeric display and 24bit 4 channel A-D conversion to indicate, individually or collectively, each of the 4 weigh structures on one display. You can disable any channel via the keyboard and show any channel in any order you require. A full printout is available plus the ability to enter via the keyboard, full alphanumeric text for printer headers. This unit is ideal for multi-pad or silo monitoring.

### Specifications

#### Parameters

Display	6 digits, 25.4mm high LED and 2 x 20 backlit alphanumeric LCD display.
Membrane Enclosure	Polyester, tactile action Splash proof, 260mm x 160mm x 65mm high grade stainless steel. Mounting bracket 202mm centre, M6 clearance.
Operating Temperature	-10 to +40 degrees C
Load Cell Capability	4 individual weigh channels, up to 16 x 300 ohms load cells
Conversion	24 bit Sigma Delta A-D
Input Range	0-150mV linearity : 0.0015% FS
Temperature Drift	2ppm per degrees C
Update Speed	7ips or 30ips - user selectable
Internal Resolution	300,000 counts for 10mV input (2mV/V load cell)
Display Resolution	6000 divisions
Calibration	Keyboard Routine
Power (Mains Option)	75-250VAC, 50/60Hz auto selection.
Power (DC Option)	6-26VDC
Power Consumption	TBA



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