



**WESTERN SCALE CO. LTD.**

**Western Scale Co. Ltd.**  
1670 Kingsway Ave.  
Port Coquitlam, B.C.  
Canada V3C 3Y9

Tel: 1.604.941.3474  
Fax: 1.604.941.4020  
Email: [info@westernscale.ca](mailto:info@westernscale.ca)  
Web: [www.westernscale.ca](http://www.westernscale.ca)

## M2000 A-1 WEIGHT INDICATOR

### **Fast. Accurate. Versatile. Reliable.**

The M2000 A-1 is a high performance digital weight indicator, best suited to single scale applications. Tons of features at a great low price.

### FEATURES

- 1 Scale channel
- 1 Fully configurable serial port
- FASTSTEP Filtering for remarkably fast, stable readings
- Extremely resistant to interference (static, EMI, RFI)
- Accommodates load cell SENSE lines
- Full keypad calibration to any test weight amount
- 4 Linearity points
- Password and Category 1 Audit Trail system
- Custom Weigh Ticket Editor
- Interactive Ticket Macros for Accumulation, Truck In/Out, Axle weighing, and more...
- Store up to 100 truck IDs and tare weights
- Over 20 selectable output strings
- Serial Command mode
- Time & Date
- 6 Remote Inputs (optional)
- 6 Setpoints (optional)
- 4-20 mA Output (optional)



\* SL Enclosure

### SPECIFICATIONS

#### **POWER REQUIREMENTS**

- Input: 12 VDC 1 A. 120 VAC adapter included for most models.
- External AC adapter available for SL models.
- Consumption: 200 mA

#### **EXCITATION**

- 7.5 VDC. Up to 16 350 ohm or 32 700 ohm load cells

#### **ANALOG INPUT RANGE**

- Selectable: 0-9 mV; 0-19 mV; 0-39 mV; 0-79 mV

#### **RESOLUTION**

- 1,000,000 internal A/D counts
- Up to 100,000 displayed divisions

#### **MEASUREMENT RATE**

- 100 weight samples/second

#### **ANALOG SIGNAL SENSITIVITY**

- .3 $\mu$ V

#### **COMMUNICATIONS**

- 1 fully configurable, full duplex serial port.
- Supports RS-232, RS-422, and optional RS-485 Multi-drop.
- Wireless Communication Module (Optional)

#### **RFI PROTECTION**

- Filtered Excitation, Signal, and Sense lines

#### **SYSTEM LINEARITY**

- 0.01% of Full Scale

#### **KEYPAD**

- Membrane keypad: 16 numeric & function keys.

#### **DISPLAY**

- 3/4" (19 mm) LED display.
- 6 digit (7 segments each)

#### **OPERATING TEMPERATURE**

- 14°F to 104°F (-10°C to 40°C)

#### **APPROVALS**

- NTEP Class III/IIIL (10,000): 00-076A1
- Measurement Canada Class III (10,000) / IIIHD (20,000): AM 5371

#### **WARRANTY**

- 2 year standard warranty