

## M2000 DIGITAL WEIGHING SYSTEM

### **Superior communication and Lightning protection.**

The M2000 DIGITAL is a high performance digital weight indicator, used exclusively with the DLC (Digital Load cell Converter) Module.

### FEATURES

- DIGITAL communications up to 1000 feet
- The most advanced multi-stage LIGHTNING protection built into indicator and DLC
- Unique addressing system for load cells and sections during calibration and diagnostics
- 3 Scale channels
- 2 Fully configurable serial ports
- No proprietary load cells
- Load cells are optically isolated at DLC
- FASTSTEP Filtering for remarkably fast, stable readings
- Extremely resistant to interference (static, EMI, RFI)
- Full keypad calibration to any test weight amount
- 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



\* LSB Enclosure

- Serial Command mode
- Time & Date
- 6 Remote Inputs (optional)
- 6 Setpoints (optional)
- 4-20 mA Output (optional)
- Complete grounding instructions and lightning solutions package provided to dealers

### SPECIFICATIONS

#### **POWER REQUIREMENTS**

- Input: 12 VDC 1 A, 120 VAC adapter included.
- 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**

- 2 fully configurable, full duplex serial ports.
- 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