

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

Made in North America

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 μ V

COMMUNICATIONS

- 2 fully configurable, full duplex serial ports.
- Supports RS-232, RS-422, and optional RS-485 Multi-drop.
- Wireless Communication Module (Optional)
- Ethernet Communication Module (Optional)
- USB 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