



### Standard Features

- Works with any basic digital weight indicator
- Excitation to load cell(s) provided by the transmitter, not the indicator
- Each transmitter/receiver set is individually paired
- Serial communication cable included

### Options

(Contact MSI for application consultation)

- Multiple antenna selections
- Analog output
- Additional VDC input power

### Specifications

#### Power:

85 to 265 VAC

#### Excitation Voltage:

Transmitter: +4.8 VDC, 16 × 350 ohm or 32 × 700 ohm load cells

#### Standard Antenna:

1/2 wave 2dBi, articulated

#### Frequency:

Spread spectrum at 2.4 GHz, 802.15.4

#### Effective Range:

Typically 100 to 300 ft, line of sight; for longer range consult factory

#### Communication Ports:

Full duplex RS-232

#### Circuit Protection:

RFI, EMI, ESD protection

#### Temperature:

Operating:  
-40 °F to 185 °F (-40 °C to 85 °C)

#### Rating/Material:

IP68, die-cast aluminum enclosure

#### Additional RF Options:

Wi-Fi  
802.15.4  
FHSS

#### Warranty:

One-year limited

### Part Number/Price

| Part #          | Description  | Est. Weight | Price   |
|-----------------|--|-------------|---------|
| <b>MSI-7000</b> |  |             |         |
| <b>227549</b>   | Four-channel, transmitter, 85-265 VAC, load cell, w/3 relays | 2 lb        | Consult |
| <b>227550</b>   | Four-channel, receiver, 85-265 VAC, digital, w/3 relays      | 2 lb        | Consult |
| <b>MSI-7001</b> |  |             |         |
| <b>230905</b>   | Single-channel, transmitter, 85-265 VAC, load cell input     | 2 lb        | Consult |
| <b>230951</b>   | Single-channel, receiver, 85-265 VAC, mV output              | 2 lb        | Consult |
| <b>230952</b>   | Single-channel, receiver, 85-265 VAC, RS232 output           | 2 lb        | Consult |

### Options/Accessories

| Part #        | Description  | Price   |
|---------------|--|---------|
| <b>143531</b> | Power cord, 6 V SLA battery charger EU                                     | Consult |
| <b>143533</b> | Power cord, 6 V SLA battery charger, Australia                             | Consult |
| <b>143534</b> | Power cord, 6 V SLA battery charger, UK                                    | Consult |
| <b>162178</b> | Antenna extension kit, 6 ft coax cable                                     | Consult |
| <b>150964</b> | RS-232 13 ft (4 m) serial cable with nine-pin (female) connector, MSI-7001 | Consult |
| <b>150965</b> | RS-232 13 ft (4 m) serial cable with nine-pin (male) connector, MSI-7001   | Consult |
| <b>145085</b> | RS-232 serial cable, unterminated, MSI-7000                                | Consult |
| <b>148624</b> | Cable assembly, RS232/485 to DB9, used for setup and calibration           | Consult |
| <b>144400</b> | Cable assembly, 4 pin, female, 4 meter, mV                                 | Consult |
| <b>145084</b> | Cable assembly, 4 pin, female, 2 meter, mV                                 | Consult |
| <b>162177</b> | Cable assembly, 4 pin, male, 2 meter, A2D cable, MSI-7001                  | Consult |
| <b>162184</b> | Connector, M12, 4 pin, straight, mV, MSI-7001                              | Consult |
| <b>162185</b> | Connector, M12, 4 pin, right-angle, mV, MSI-7001                           | Consult |