

## Specifications

**Power:**

5-6 VDC, 7-36 VDC 85-265 VAC

**Excitation Voltage:**

Transmitter: +4.8 VDC, 16x 350Ω or 32x 700Ω load cells

**Standard Antenna:**

1/2 wave 2dBi, articulated

**Frequency:**

Direct sequence spread spectrum at 2.4 GHz, 802.15.4

**Effective Range:**

100 ft or more

**Digital I/O:**

Three coil relays available on select models and 7000HD units

**Circuit Protection:**

RFI, EMI, ESD protection

**Serial Port:**

Full duplex RS-232

**Operating Temperature:**

-40°F to 185°F (-40°C to 85°C)

**Enclosure:**NEMA Type 4 (IP66), aluminum black powder coated (excludes wall cube model)  
7000HD and 7001HD: IP68**Additional RF Options:**Wi-Fi  
Bluetooth®  
Cellular (consult)  
802.15.4 FHSS**Warranty:**

One-year limited warranty



## 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
- Auto-off mode - selectable for 15, 30, 45, 60 minutes or off
- Auto-sleep mode - power down during non-use, power up with weight change or key press
- Serial communication cable included with all transmitters

## Additional HD Features

- IP68 milled aluminum enclosure
- Second radio modem available

## Part Number/Price

Part #	Description	Est. Weight	Price
<b>Transmitters</b>			
<b>5-6 VDC Power Input</b>			
160330	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2lb	\$840.00
159207	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2lb	\$890.00
161949	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2lb	\$1,015.00
176644 *	Single-channel transmitter, no relays, Bluetooth	2lb	Consult
176638 *	Four-channel transmitter, no relays, Bluetooth	2lb	Consult
176641 *	Four-channel transmitter, includes three coil relays, Bluetooth	2lb	Consult
176655	Single-channel transmitter, no relays, Wi-Fi	2lb	\$885.00
176648	Four-channel transmitter, no relays, Wi-Fi	2lb	\$935.00
176652	Four-channel transmitter, includes three coil relays, Wi-Fi	2lb	\$1,065.00
<b>7-36 VDC Power Input</b>			
160329	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2lb	\$890.00
159470	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2lb	\$915.00
161951	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2lb	\$1,060.00
176645 *	Single-channel transmitter, no relays, Bluetooth	2lb	Consult
176639 *	Four-channel transmitter, no relays, Bluetooth	2lb	Consult
176642 *	Four-channel transmitter, includes three coil relays, Bluetooth	2lb	Consult
176656	Single-channel transmitter, no relays, Wi-Fi	2lb	\$935.00
176650	Four-channel transmitter, no relays, Wi-Fi	2lb	\$960.00
176653	Four-channel transmitter, includes three coil relays, Wi-Fi	2lb	\$1,120.00
<b>85-265 VAC Power Input</b>			
160328	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2lb	\$915.00
159469	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2lb	\$940.00
161950	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2lb	\$1,095.00
176643 *	Single-channel transmitter, no relays, Bluetooth	2lb	Consult
176637 *	Four-channel transmitter, no relays, Bluetooth	2lb	Consult
176640 *	Four-channel transmitter, includes three coil relays, Bluetooth	2lb	Consult
176654	Single-channel transmitter, no relays, Wi-Fi	2lb	\$960.00
176647	Four-channel transmitter, no relays, Wi-Fi	2lb	\$990.00
176651	Four-channel transmitter, includes three coil relays, Wi-Fi	2lb	\$1,150.00

**Part Number/Price**

Part #	Description	Est. Weight	Price
<b>Receivers</b>			
<b>5-6 VDC Power In put</b>			
160337	Single channel receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	\$890.00
160334	Single channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ±5 VDC, ±10VDC, RF 802.15.4, 2.4 GHz	2 lb	\$940.00
160016	Four channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ±5 VDC, ±10VDC, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	\$1,065.00
161941	Single channel receiver to provide RS232 serial output	2 lb	\$695.00
160017	Four channel receiver to provide RS232 serial output	2 lb	\$1,080.00
<b>7-36 VDC Power Input</b>			
160336	Single channel receiver to provide a mV signal to a digital weight indicator. RF 802.15.4, 2.4 GHz	2 lb	\$965.00
161939	Single channel receiver to provide RS232 serial output	2 lb	\$795.00
160333	Single channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ±5 VDC, ±10 VDC, RF 802.15.4, 2.4 GHz	2 lb	\$1,065.00
159478	Four channel receiver to provide RS232 serial output	2 lb	\$1,125.00
159476	Four channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ±5 VDC, ±10 VDC, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	\$1,195.00
<b>85-265 VAC Power Input</b>			
160335	Single channel receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	\$1,010.00
161938	Receiver to provide RS232 serial output	2 lb	\$850.00
160332	Single channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ±5 VDC, ±10 VDC, RF 802.15.4, 2.4 GHz	2 lb	\$1,120.00
159477	Four channel receiver to provide RS232 serial output	2 lb	\$995.00
159475	Four channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ±5 VDC, ±10 VDC, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	\$1,295.00
<b>7000HD:</b>			
177942	MSI-7000HD 4CH 85-265VAC, 3 Coil Relays, 802.15.4		\$1,920.00
177944	MSI-7000HD 4CH 7-36VDC, 3 Coil Relays, 802.15.4		\$1,885.00
177945	MSI-7000HD 4CH 9-36VDC Iso, 3 Coil Relays, 802.15.4		\$1,955.00
177950 *	MSI-7000HD 4CH 85-265VAC, 3 Coil Relays, Bluetooth®		Consult
177952 *	MSI-7000HD 4CH 7-36VDC, 3 Coil Relays, Bluetooth		Consult
177953 *	MSI-7000HD 4CH 9-36VDC Iso, 3 Coil Relays, Bluetooth		Consult
177995	MSI-7000HD 4CH 85-265VAC, 3 Coil Relays, WiFi		\$1,935.00
177997	MSI-7000HD 4CH 7-36VDC, 3 Coil Relays, WiFi		\$1,895.00
177998	MSI-7000HD 4CH 9-36VDC Iso, 3 Coil Relays, WiFi		\$1,980.00
<b>7001HD</b>			
178021	MSI-7001HD 2CH 85-265VAC, 802.15.4		\$1,150.00
178010	MSI-7001HD 2CH 5-6VDC, 802.15.4		\$1,040.00
178011	MSI-7001HD 2CH 7-36VDC, 802.15.4		\$1,115.00
178012	MSI-7001HD 2CH 9-36VDC Isolated, 802.15.4		\$1,125.00
178013 *	MSI-7001HD 2CH 85-265VAC, Bluetooth		Consult
178014 *	MSI-7001HD 2CH 5-6VDC, Bluetooth		Consult
178015 *	MSI-7001HD 2CH 7-36VDC, Bluetooth		Consult
178016 *	MSI-7001HD 2CH 9-36VDC Isolated, Bluetooth		Consult
178017	MSI-7001HD 2CH 85-265VAC, WiFi		\$1,175.00
178018	MSI-7001HD 2CH 5-6VDC, WiFi		\$1,125.00
178019	MSI-7001HD 2CH 7-36VDC, WiFi		\$1,135.00
178020	MSI-7001HD 2CH 9-36VDC Isolated, WiFi		\$1,200.00

\* Bluetooth modems only work with certain Android devices. Please contact Rice Lake for potential applications.

**Options/Accessories**

Part #	Description	Price
162172	Charger, TranSend™ for 6V SLA battery	\$60.00
162173	Battery, TranSend 6V SLA	\$105.00
162175	Enclosure, TranSend for 6V SLA battery	\$300.00
150964	RS-232 13 ft (4 m) serial cable with 9-Pin (female) connector	\$170.00
150965	RS-232 13 ft (4 m) serial cable with 9-Pin (male) connector	\$170.00
160109	AC adaptor, TranSend 6V	\$50.00
162178	Antenna extension kit 5 ft coax cable	\$415.00
139309	Antenna kit, long range Omni with 3 m coax cable	\$435.00
197013	Antenna extension kit, 20 ft	\$445.00

**Options/Accessories**

Part #	Description	Price
139310	Antenna kit, corner reflector 9 dbi with 3 m coax cable	\$430.00
139311	Antenna kit, corner reflector 12 dbi with 3 m coax cable	\$460.00
139312	Antenna kit, Yagi 15 dbi with 3 m coax	\$355.00
144345	30 m coaxial cable, for use with non-vehicle mount antenna kits	\$405.00
139313	Antenna kit, vehicle mount. 5 dbi with 5 m coaxial cable	\$130.00
187424	Dual xBee option kit for 7000HD with TNC connector	\$180.00
162177	Cordset, TranSend, pre-wired for use with single channel transmitters or non-relay based receivers	\$110.00
162184	Load cell connector, TranSend, Field wireable, 4-6 mm straight. For use with single channel transmitters and all receivers.	\$55.00
162185	Load cell connector, TranSend, Field wireable, 6-8 mm straight. For use with single channel transmitters and all receivers.	\$55.00
162186	Load cell connector, TranSend, Field wireable, 4-6 mm right angle. For use with single channel transmitters and all receivers.	\$55.00
162187	Load cell connector, TranSend, Field wireable, 6-8 mm right angle. For use with single channel transmitters and all receivers.	\$55.00
143531	Power cord, 6 V SLA battery charger EU	\$25.00
143533	Power cord, 6 V SLA battery charger, Australia	\$45.00
143534	Power cord, 6 V SLA Battery charger, UK	\$40.00
160110	265 VAC to 6 VDC wall adapter US/UK/EU/AUS/China	\$50.00
145085	RS-232 serial cable, nine-pin unterminated	\$110.00
164865	Cable, 4 m, one-channel, mV/V output, LC input	\$135.00
165648	Cable, 5 m, one-channel, mV/V output, LC input	\$135.00
165651	Cable, 10 m, one-channel, mV/V output, LC input	\$195.00
145084	Cable, 2 m, one-channel, analog output	\$55.00
144400	Cable, 5 m, one-channel, analog output	\$85.00
168903	Cable, 10 m, one-channel, analog output	\$125.00
Consult	Straight connector, analog output, field wire able, 4-6 mM OD	Consult
Consult	Straight connector, analog output, field wire able, 6-8 mM OD	Consult
Consult	Right angle connector, analog output, field wire able, 4-6 mM OD	Consult
Consult	Right angle connector, analog output, field wire able, 6-8 mM OD	Consult
184002	7000HD Half-plate mounted, FHSS, DC (battery) powered (half plate battery power supply sold separately)	Consult
182244	GoDex portable printer (compatible with android tablet app)	Consult