



MSI-7000HD



TranSend

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
Transmitters			
5-6 VDC Power Input			
160330	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
159207	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
161949	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
176644 *	Single-channel transmitter, no relays, Bluetooth	2 lb	Consult
176638 *	Four-channel transmitter, no relays, Bluetooth	2 lb	Consult
176641 *	Four-channel transmitter, includes three coil relays, Bluetooth	2 lb	Consult
176655	Single-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176648	Four-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176652	Four-channel transmitter, includes three coil relays, Wi-Fi	2 lb	Consult
7-36 VDC Power Input			
160329	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
159470	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
161951	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
176645 *	Single-channel transmitter, no relays, Bluetooth	2 lb	Consult
176639 *	Four-channel transmitter, no relays, Bluetooth	2 lb	Consult
176642 *	Four-channel transmitter, includes three coil relays, Bluetooth	2 lb	Consult
176656	Single-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176650	Four-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176653	Four-channel transmitter, includes three coil relays, Wi-Fi	2 lb	Consult
85-265 VAC Power Input			
160328	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
159469	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
161950	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
176643 *	Single-channel transmitter, no relays, Bluetooth	2 lb	Consult
176637 *	Four-channel transmitter, no relays, Bluetooth	2 lb	Consult
176640 *	Four-channel transmitter, includes three coil relays, Bluetooth	2 lb	Consult
176654	Single-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176647	Four-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176651	Four-channel transmitter, includes three coil relays, Wi-Fi	2 lb	Consult

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

Part Number/Price

Part #	Description	Est. Weight	Price
Receivers			
5-6 VDC Power Input			
160337	Receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	Consult
160334	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	Consult
160016	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	Consult
7-36 VDC Power Input			
160336	Receiver to provide a mV signal to a digital weight indicator. RF 802.15.4, 2.4 GHz	2 lb	Consult
160333	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	Consult
159476	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	Consult
85-265 VAC Power Input			
160335	Receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	Consult
160332	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	Consult
159475	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	Consult
7000HD:			
177942	MSI-7000HD 4CH 85-265VAC, 3 Coil Relays, 802.15.4		Consult
177944	MSI-7000HD 4CH 7-36VDC, 3 Coil Relays, 802.15.4		Consult
177945	MSI-7000HD 4CH 9-36VDC Iso, 3 Coil Relays, 802.15.4		Consult
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		Consult
177997	MSI-7000HD 4CH 7-36VDC, 3 Coil Relays, WiFi		Consult
177998	MSI-7000HD 4CH 9-36VDC Iso, 3 Coil Relays, WiFi		Consult
7001HD			
178021	MSI-7001HD 2CH 85-265VAC, 802.15.4		Consult
178010	MSI-7001HD 2CH 5-6VDC, 802.15.4		Consult
178011	MSI-7001HD 2CH 7-36VDC, 802.15.4		Consult
178012	MSI-7001HD 2CH 9-36VDC Isolated, 802.15.4		Consult
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		Consult
178018	MSI-7001HD 2CH 5-6VDC, WiFi		Consult
178019	MSI-7001HD 2CH 7-36VDC, WiFi		Consult
178020	MSI-7001HD 2CH 9-36VDC Isolated, WiFi		Consult

* 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	Consult
162173	Battery, TranSend 6V SLA	Consult
162175	Enclosure, TranSend for 6V SLA battery	Consult
150964	RS-232 13 ft (4 m) serial cable with 9-Pin (female) connector	Consult
150965	RS-232 13 ft (4 m) serial cable with 9-Pin (male) connector	Consult
160109	AC adaptor, TranSend 6V	Consult
162178	Antenna extension kit for enclosures	Consult
139309	Antenna kit, long range Omni with 3 m coax cable	Consult
139310	Antenna kit, corner reflector 9 dbi with 3 m coax cable	Consult
139311	Antenna kit, corner reflector 12 dbi with 3 m coax cable	Consult
139312	Antenna kit, Yagi 15 dbi with 3 m coax	Consult
144345	30 m coaxial cable, for use with non-vehicle mount antenna kits	Consult
139313	Antenna kit, vehicle mount. 5 dbi with 5 m coaxial cable	Consult
162177	Cordset, TranSend, pre-wired for use with single channel transmitters or non-relay based receivers	Consult

Options/Accessories

Part #	Description	Price
162184	Load cell connector, TranSend, Field wireable, 4-6 mm straight. For use with single channel transmitters and all receivers.	Consult
162185	Load cell connector, TranSend, Field wireable, 6-8 mm straight. For use with single channel transmitters and all receivers.	Consult
162186	Load cell connector, TranSend, Field wireable, 4-6 mm right angle. For use with single channel transmitters and all receivers.	Consult
162187	Load cell connector, TranSend, Field wireable, 6-8 mm right angle. For use with single channel transmitters and all receivers.	Consult
143531	Power cord, 6 V SLA battery charger EU	Consult
143533	Power cord, 6 V SLA battery charger, Australia	Consult
143534	Power cord, 6 V SLA Battery charger, UK	Consult
160110	265 VAC to 6 VDC wall adapter US/UK/EU/AUS/China	Consult
145085	RS-232 serial cable, nine-pin unterminated	Consult
164865	Cable, 4 m, one-channel, mV/V output, LC input	Consult
165648	Cable, 5 m, one-channel, mV/V output, LC input	Consult
165651	Cable, 10 m, one-channel, mV/V output, LC input	Consult
145084	Cable, 2 m, one-channel, analog output	Consult
144400	Cable, 5 m, one-channel, analog output	Consult
168903	Cable, 10 m, one-channel, analog output	Consult
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