

TranSend™ MSI-7001

Wireless Load Cell Interface System



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 with all transmitters
- IP68 milled aluminum enclosure

(Contact MSI for application consultation)

Specifications

Power:

MSI-7000: 5-6 VDC, 7-36 VDC, 85-265 VAC
MSI-7001: 5-6 VDC, 7-36 VDC, 85-265 VAC
MSI-7000HD: 7-36 VDC, 9-36 VDC, 85-265 VAC
MSI-7001HD: 5-6 VDC, 7-36 VDC, 9-36 VDC, 85-265 VAC

Excitation Voltage:

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

Standard Antenna:

1/2 wave 2dBi, articulated

Frequency:

Direct sequence 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

Operating Temperature:

-40 °F to 185 °F (-40 °C to 85 °C)

Rating/Material:

MSI-7000/MSI-7001: IP68, die-cast aluminum enclosure
MSI-7000HD/MSI-7001HD: IP68, durable milled aluminum enclosure

Additional RF Options:

Wi-Fi
802.15.4
FHSS

Warranty:

One-year limited

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	\$995.00
176655	Single-channel transmitter, no relays, Wi-Fi	2 lb	\$1,050.00
7-36 VDC Power Input			
160329	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	\$1,055.00
176656	Single-channel transmitter, no relays, Wi-Fi	2 lb	\$1,115.00
85-265 VAC Power Input			
160328	Single-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	\$1,090.00
176654	Single-channel transmitter, no relays, Wi-Fi	2 lb	\$1,145.00
Receivers			
5-6 VDC Power Input			
160337	Single-channel receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	\$1,055.00
160334	Single-channel receiver to provide an analog output signal: 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ± 5 VDC, ± 10 VDC, RF 802.15.4, 2.4 GHz	2 lb	\$1,115.00
161941	Single-channel receiver to provide RS232 serial output	2 lb	\$825.00
7-36 VDC Power Input			
160336	Single-channel receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	\$1,155.00
161939	Single-channel receiver to provide RS232 serial output	2 lb	\$940.00
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	\$1,265.00
85-265 VAC Power Input			
160335	Single-channel receiver to provide a mV signal to a digital weight indicator, RF 802.15.4, 2.4 GHz	2 lb	\$1,210.00
161938	Receiver to provide RS232 serial output	2 lb	\$1,005.00
160332	7001AN AC power	-	\$1,325.00

INDICATORS /
CONTROLLERS

TranSend™ MSI-7001

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Options/Accessories

Part #	Description	Price
162177	Cordset, TranSend, pre-wired for use with single channel transmitters or non-relay based receivers	\$135.00
164865	Cable, 4 m, one-channel, mV/V output, LC input	\$145.00
165648	Cable, 5 m, one-channel, mV/V output, LC input	\$165.00
165651	Cable, 10 m, one-channel, mV/V output, LC input	\$230.00
162184	Load cell connector, TranSend, field wireable, 4-6 mm straight. For use with single channel transmitters and all receivers.	\$62.00
162185	Load cell connector, TranSend, field wireable, 6-8 mm straight. For use with single channel transmitters and all receivers.	\$62.00
162186	Load cell connector, TranSend, field wireable, 4-6 mm right angle. For use with single channel transmitters and all receivers.	\$62.00
162187	Load cell connector, TranSend, field wireable, 6-8 mm right angle. For use with single channel transmitters and all receivers.	\$62.00
145084	Cable, 2 m, one-channel, analog output	\$64.00
144400	Cable, 5 m, one-channel, analog output	\$100.00
168903	Cable, 10 m, one-channel, analog output	\$150.00
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
162172	Charger, TranSend™ for 6 V SLA battery	\$70.00
162173	Battery, TranSend 6 V SLA	\$135.00
162175	Enclosure, TranSend for 6 V SLA battery	\$350.00
160109	AC adapter, TranSend 6 V	\$59.00
143531	Power cord, 6 V SLA battery charger EU	\$31.00
143533	Power cord, 6 V SLA battery charger, Australia	\$54.00
143534	Power cord, 6 V SLA battery charger, UK	\$47.00
160110	265 VAC to 6 VDC wall adapter US/UK/EU/AUS/China	\$59.00
162178	Antenna extension kit, 6 ft coax cable	\$490.00
139309	Antenna kit, long-range omni with 3 m coax cable	\$510.00
139310	Antenna kit, corner reflector 9 dbi with 3 m coax cable	\$505.00
197013	Antenna extension kit, 20 ft	\$520.00
139311	Antenna kit, corner reflector 12 dbi with 3 m coax cable	\$535.00
139312	Antenna kit, Yagi 15 dbi with 3 m coax cable	\$415.00
144345	30 m coaxial cable, for use with non-vehicle mount antenna kits	\$480.00
139313	Antenna kit, vehicle mount. 5 dbi with 5 m coaxial cable	\$160.00
150964	RS-232 13 ft (4 m) serial cable with nine-pin (female) connector	\$200.00
150965	RS-232 13 ft (4 m) serial cable with nine-pin (male) connector	\$180.00
145085	RS-232 serial cable, unterminated	\$135.00

INDICATORS /
CONTROLLERS