

Scales & Monitoring

August - 2024



PIT LEVEL MONITORING SYSTEM



The Pit Level Monitoring Systems gives you an accurate and current reading of your pit level. The sensor has settings for both high and full level alarms. A 24 volt power supply is required for the Pit Stick. There is also 2 different remote access options that allow you track your pit level when off site. A genetic input in the EDGE Controller will allow you to see the Pit reading on your EDGE Screen. Feed-Link Live is the second option where you can see real time data telling you how many inches of manure are in your pit when the monitoring system is connected to a network master.

Part#	Description	Lbs.	Kgs.	Price
AP-6010	Complete Pit Level Monitor Assembly	54.68	24.80	\$2,041.00
INT-8280046	10W, 24VDC Power Supply (Plugs into 110V 60Hz Outlet)	1.10	0.49	\$42.00
INT-2100331	156W, 24VDC Transformer	3.25	1.47	\$346.00



**EDGE® DISPLAY MODULE
WITH MOUNTING BRACKET**



FEED-LINK LOAD CELLS



LOAD CELL JUNCTION BOX

EDGE® Connect Bin Scales Ordering Chart

Part#	Description	Bin Size					
		6' Bins	7' Bins	9' Bins		12' Bins	
		1-4 Rings	1-6 Rings	1-5 Rings	6 Rings	2-3 Rings	4-6 Rings
EDG-136	EDGE Bin Scale Display Module	1	1	1	1	1	1
EDG-125	EDGE Display Module Mounting Bracket	1	1	1	1	1	1
INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly	4	4	6		8	
INT-4862	Feed-Link 12,000 Lbs. Calib. Load Cell Assembly				6		8

NOTE: See page 16-7 for power supply requirements.

EDGE® Connect Bin Scales with Junction Box Ordering Chart

Part#	Description	Bin Size					
		6' Bins	7' Bins	9' Bins		12' Bins	
		1-4 Rings	1-6 Rings	1-5 Rings	6 Rings	2-3 Rings	4-6 Rings
EDG-136	EDGE Bin Scale Display Module	1	1	1	1	1	1
INT-4860	Feed-Link Junction Box	1	1	1	1	1	1
INT-4812	Mounting Bracket for Feed-Link Display Unit and Junction Box	1	1	1	1	1	1
INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly	4	4	6		8	
INT-4862	Feed-Link 12,000 Lbs. Calib. Load Cell Assembly				6		8

NOTE: See page 16-7 for power supply requirements.

NOTE: Use 10 conductor wire between display unit and junction box. 1,000' maximum distance.

EDGE® Connect Bin Scale Components

Part#	Description	Lbs.	Kgs.	Price
EDG-136	EDGE Bin Scale Display Module	2.60	1.17	\$1,306.00
EDG-125	EDGE Display Unit Bin Leg Mounting Bracket	3.71	1.68	\$66.00
INT-4860	Feed-Link Junction Box	1.15	0.52	\$149.00
INT-4812	Mounting Bracket for Feed-Link Display Unit and Junction Box	2.46	1.11	\$67.00
INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly	8.79	3.98	\$230.00
INT-4862	Feed-Link 12,000 Lbs. Calib. Load Cell Assembly	10.50	4.76	\$366.00
INT-2100331	156W, 24VDC Transformer	3.25	1.47	\$346.00
INT-8280046	10W, 24VDC Power Supply (Plugs into 110V 60Hz Outlet)	1.10	0.49	\$42.00
WR-18-1TS-S-250	Wire, 18 AWG 1 Twisted Shielded Pair, Comm and Power, 250'/Spool	6.25	2.83	\$254.00
WR-18-1TS-S-500	Wire, 18 AWG 1 Twisted Shielded Pair, Comm and Power, 500'/Spool	12.50	5.66	\$500.00
WR-18-1TS-S	Wire, 18 AWG 1 Twisted Shielded Pair, Comm and Power, 1000'/Spool	25.00	11.33	\$991.00
INT-4818-100	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 100'	5.00	2.26	\$270.00
INT-4818-250	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 250'	12.50	5.66	\$613.00
INT-4818	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 1,000'	50.00	22.67	\$2,348.00

Prices and specifications are subject to change without notice.

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FEED-LINK™ 2 DISPLAY MODULE



FEED-LINK 2 LOAD CELLS



LOAD CELL JUNCTION BOX

Feed-Link 2 Standalone Bin Scales Ordering Chart

Part#	Description	Bin Size					
		6' Bins	7' Bins	9' Bins		12' Bins	
		1-4 Rings	1-6 Rings	1-5 Rings	6 Rings	2-3 Rings	4-6 Rings
INT-4851	Feed-Link 2 24VDC Display Unit	1	1	1	1	1	1
AP-4738	Clear Cover for Display Units	1	1	1	1	1	1
INT-4812	Mounting Bracket for Feed-Link Display Unit and Junction Box	1	1	1	1	1	1
INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly	4	4	6		8	
INT-4862	Feed-Link 12,000 Lbs. Calib. Load Cell Assembly				6		8

NOTE: See page 16-7 for power supply requirements.

Feed-Link 2 Standalone Bin Scales with Junction Box Ordering Chart

Part#	Description	Bin Size					
		6' Bins	7' Bins	9' Bins		12' Bins	
		1-4 Rings	1-6 Rings	1-5 Rings	6 Rings	2-3 Rings	4-6 Rings
INT-4851	Feed-Link 2 24VDC Display Unit	1	1	1	1	1	1
AP-4738	Clear Cover for Display Units	1	1	1	1	1	1
INT-4860	Feed-Link Junction Box	1	1	1	1	1	1
INT-4812	Mounting Bracket for Feed-Link Display Unit and Junction Box	1	1	1	1	1	1
INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly	4	4	6		8	
INT-4862	Feed-Link 12,000 Lbs. Calib. Load Cell Assembly				6		8

NOTE: See page 16-7 for power supply requirements.

NOTE: Use 10 conductor wire between display unit and junction box. 1,000' maximum distance.

Feed-Link 2 Bin Scale Components

Part#	Description	Lbs.	Kgs.	Price
INT-4851	Feed-Link 2 24VDC Display Unit	2.14	0.97	\$482.00
AP-4738	Clear Cover for Display Units	1.14	0.51	\$45.00
INT-4860	Feed-Link Junction Box	1.15	0.52	\$149.00
INT-4812	Mounting Bracket for Feed-Link Display Unit and Junction Box	2.46	1.11	\$67.00
INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly	8.79	3.98	\$230.00
INT-4862	Feed-Link 12,000 Lbs. Calib. Load Cell Assembly	10.50	4.76	\$366.00
INT-2100331	156W, 24VDC Transformer	3.25	1.47	\$346.00
INT-8280046	10W, 24VDC Power Supply (Plugs into 110V 60Hz Outlet)	1.10	0.49	\$42.00
INT-4831-100	Shielded Pair Wire 18 Ga./2 Cond. - 100' Roll	1.00	0.45	\$167.00
INT-4831-500	Shielded Pair Wire 18 Ga./2 Cond. - 500' Roll	5.00	2.26	\$614.00
INT-4831-1000	Shielded Pair Wire 18 Ga./2 Cond. - 1000' Roll	10.00	4.53	\$1,213.00
INT-4818-100	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 100'	5.00	2.26	\$270.00
INT-4818-250	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 250'	12.50	5.66	\$613.00
INT-4818	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 1,000'	50.00	22.67	\$2,348.00

NETWORK MASTER COMPONENTS



Part#	Description	Lbs.	Kgs.	Price
INT-1100290	Network Master 24VDC and one INT-8280046 Power Supply w/1 Year of Service	2.06	0.93	\$3,162.00
AP-5047	Secondary Enclosure for INT-1100290	2.00	0.90	\$102.00
INT-4825	Network Master RF Module	1.00	0.45	\$670.00
INT-4823	RF Module Mounting Bracket	2.34	1.06	\$71.00
INT-2100314	Temperature & Water Input Box 24VDC (3 Temp & 2 Water Inputs)	2.06	0.93	\$277.00
PROBE	Temperature Sensor - 30'	1.08	0.48	\$83.00
PROBE-M	Temperature Sensor - 12'	1.00	0.45	\$71.00
PROBE-S	Temperature Sensor - 18"	0.50	0.22	\$47.00
EDG-120	EDGE Sensor Junction Box	0.94	0.42	\$15.00
3025-0106	Water Meter, 3/4" x 3/4"	5.00	2.26	\$242.00
3025-0107	1" Water Meter, 1 Pulse per Gallon (Includes Adaptor)	4.00	1.81	\$452.00
FLX-5335	Smart IR II Feed Level Sensor	3.59	1.62	\$590.00

NETWORK MASTER COMPONENTS (Contd.)

Network Master Ordering Example:

Parts list for adding a Network Master and associated devices to two double wide finishing barns with each room having two 9', 3-Ring tanks in tandem. The buildings are within 1 mile of each other and have clear line of sight with no wires running between the buildings.

Qty.	Part#	Description
1	INT-1100290	Network Master 24VDC and one INT-8280046 Power Supply w/1 Year of Service
1	AP-5047	Secondary Enclosure for INT-1100290
1	INT-4831-1000	Shielded Pair Wire 18 Ga./2 Cond. - 1000' Roll
1	INT-4831-500	Shielded Pair Wire 18 Ga./2 Cond. - 500' Roll
8	INT-4851	Feed-Link 2 24VDC Display Unit
8	INT-4860	Junction Box for locating Feed-Link Display up to 1,000' from Bin
2	INT-4818	Feed-Link Junction Box Extension Wire 22 Ga./10 Cond. - 1,000'
8	INT-4812	Mounting Bracket for Feed-Link Display Unit and Junction Box
48	INT-4854	Feed-Link 8,000 Lbs. Calib. Load Cell Assembly
2	INT-2100314	Temperature & Water Input Box 24VDC (3 Temp & 2 Water Inputs)
4	EDG-120	EDGE Sensor Junction Box
6	PROBE	Temperature Sensor - 30'
4	3025-0106	Water Meter, 3/4" x 3/4"
2	INT-2100331	156W, 24VDC Transformer
2	INT-4825	Network Master RF Module
2	INT-4823	RF Module Mounting Bracket
8	FLX-5335	Smart IR II Feed Level Sensor

Bin Scale Component Power Requirements

Part#	Description	Power Required (W)
INT-2100331	156W, 24VDC Transformer	N/A
INT-8280046	10W, 24VDC Power Supply (Plugs into 110V 60Hz Outlet)	N/A
EDG-136	EDGE Bin Scale Display Module	5
EDG-139	EDGE, Precision Bin Scale Display Module, 4-Wire	5
INT-4850	Feed-Link 1 24VDC Display Unit	4
INT-4851	Feed-Link 2 24VDC Display Unit	4
INT-1100290	Network Master	10
INT-2100314	Temperature & Water Input Box 24VDC (3 Temp & 2 Water Inputs)	3
INT-4860	Feed-Link Junction Box	5
INT-4825	Network Master RF Module	6

BIN SCALE REPLACEMENT PARTS

EDGE® Connect Bin Scale Display Service Parts

Part#	Description	Lbs.	Kgs.	Price
EDG-136	EDGE Bin Scale Display Module, 3 Wire	2.60	1.17	\$1,306.00
EDG-137	EDGE, Feed-Link Bin Scale Display Module, 3-Wire, Finished Base	1.40	0.63	\$948.00
EDG-140	EDGE, Precision Bin Scale Display Module, 4-Wire, Finished Base	1.40	0.63	\$1,037.00
EDG-146	EDGE, 3-Wire & Precision 4-Wire Bin Scale Display Module, Finished Top	1.40	0.63	\$543.00

Feed-Link 1 and 2 Bin Scale Display Service Parts

Part#	Description	Lbs.	Kgs.	Price
INT-4850B	Feed-Link 1 or 2 Display Unit Base Board w/Enclosure (24VDC)	0.80	0.36	\$207.00
INT-4852	Feed-Link 2 Display Unit Top Enclosure w/Board (24VDC and 110/220V)	0.53	0.24	\$336.00
INT-4852LB	Feed-Link 2 Display Unit Top (Printed Circuit Board Not Included)	0.35	0.15	\$45.00
INT-4813	Feed-Link 1 Display Unit Enclosure w/Board (24VDC & 110/220V)	0.60	0.27	\$322.00
INT-4813LB	Feed-Link 1 Display Unit Top (Printed Circuit Board Not Included)	0.38	0.17	\$75.00
INT-4853	Feed-Link 2 Display Unit, 110/220V, 50/60Hz	1.73	0.78	\$504.00
INT-4814	Feed-Link 1 or 2 Display Unit Base Board w/Enclosure (110/220V)	1.20	0.54	\$215.00
INT-9520039	Ribbon Cable for INT-4850 & INT-4851	0.50	0.22	\$30.00
E300-1008	Fuse f/Feed Link Display Unit Base Board (110/220V)	0.00	0.00	\$2.80

NOTE: 5K, 10K and 15K load cell beams (INT-4809A, INT-4810A and AP-4241) are not compatible with Feed-Link 2 displays.

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BIN SCALE REPLACEMENT PARTS (Contd.)

5K/8K/10K Load Cell Service Parts

Part#	Description	Lbs.	Kgs.	Price
INT-4809A	Feed-Link 5,000 Lbs. Load Cell - Beam Only	1.25	0.56	\$163.00
INT-4854A	Feed-Link 8,000/10,000 Lbs. Load Cell - Beam Only	1.70	0.77	\$182.00
AP-2977E	5K/8K/10K Load Cell Base Casting	5.08	2.30	\$46.00
AP-3559D	5K/8K/10K Load Cell Top Casting	0.89	0.40	\$7.31
AP-5632	Transducer, 10,000# Load Cell, 4-Wire	4.00	1.81	\$368.00
S-1196	Bolt, HHCS 5/16" x 1" ZN Grade 5	0.03	0.01	\$0.40
S-4196	Pin, Cotter 5/32" x 1" ZN Grade 2	0.00	0.00	\$0.40
S-7382	Nylock Nut 5/16" ZN Grade 5	0.00	0.00	\$0.30
S-858	5/8" Flat Washer USS ZN	0.06	0.03	\$0.80
S-9247	Clevis Pin, 1/2" x 2-1/4" ZN	0.11	0.05	\$2.60

NOTE: 5K and 10K load cell beams (INT-4809A and INT-4810A) are not compatible with Feed-Link 2 displays.

12K/15K Load Cell Service Parts

Part#	Description	Lbs.	Kgs.	Price
INT-4855A	Feed-Link 12,000/15,000 Lbs. Load Cell - Beam Only	2.10	0.95	\$202.00
AP-6027	12K Load Cell Base Casting	5.08	2.30	\$45.00
AP-6025-RD	12K Load Cell Bin Leg Adapter	1.78	0.80	\$136.00
S-1196	Bolt, HHCS 5/16" x 1" ZN Grade 5 (12K)	0.03	0.01	\$0.40
S-7382	Nylock Nut 5/16" ZN Grade 5 (12K)	0.00	0.00	\$0.30
2FH0550	Bolt, Carriage 5/8" x 2-1/2" ZN Gr. 2 (15K)	0.27	0.12	\$2.00
S-4196	Pin, Cotter 5/32" x 1" ZN Grade 2 (12K/15K)	0.00	0.00	\$0.40
S-8349	Nut, Nylock 5/8" ZN Gr. 2 (15K)	0.08	0.03	\$0.70
3FH1259	Pin, Clevis 5/8" x 2-1/2" Plain Steel Flat Head (12K/15K)	0.24	0.10	\$3.40

NOTE: 15K load cell beams (AP-4241) are not compatible with Feed-Link 2 displays.

Network Master Service Parts

Part#	Description	Lbs.	Kgs.	Price
INT-8280046	10W, 24VDC Power Supply (Plugs into 110V 60Hz Outlet)	1.10	0.49	\$42.00
INT-1210283	Replacement Power Supply f/INT-2100331 (110V 60Hz)	1.54	0.69	\$208.00
AP-4931	Communication Chip - f/Network Master, Temp & Water Boxes and Feed Bin Displays	0.01	0.00	\$14.21
INT-9140081	Fuse f/Network Master & RF Module (1/2A, Time Lag, 5 x 20 mm)	0.00	0.00	\$3.95

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FEED-LINK™ BIN SCALE

Feed-Link Specifications

Description	
Input Power	110/220V - 50/60Hz
Display Resolution	20 Lbs. - 10 Kgs. - 1%
Display Operating Temperature	-5° to 150° F / -20° to 65° C
Water Meter	1 gallon(3.8 liters)/pulse
8K Load Cell Maximum Weight	8,000 Lbs./3,630 Kgs.
12K Load Cell Maximum Weight	12,000 Lbs./5,440 Kgs.
Distance Between Load Cell and Display	100'/30 m
Distance Between Junction Box and Display	1,000'/305 m
Network Master Communication System Total Distance	4,000'/1,219 m
Number of Displays per Network Master	50 Displays
Network Master Compatible Operating Systems	Win95 and Later

