



Accurate Scale Industries Ltd.

16815 - 129 Avenue, Edmonton, Alberta, Canada T5V 1L2

PHONE: (780) 451-4502 • TOLL FREE 1-800-252-7528 • FAX: (780) 454-5847

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HARVEST MANAGEMENT SYSTEM II

For Harvest Purposes:

- Keeping a record of net loads to show field production

System comprised of:

- Smart 1 Processor
- Traffic light control (Optional Methods)
- Remote actuators in trucks (up to 6) to activate remote “on the fly” Weighing process – including tare weights
- Control Panel c/w RF Antenna, Receiving Units, etc.
- USB Flash Drive Interface:
 - Virtually unlimited transaction storage
 - Data portability without the need for cables
- * Existing installations - require one available serial port on SMART1, USB upgrade kit, software revision



System Overview:

- Driver approaches scale and presses actuator button
- Smart 1 would zero scale and green light activated (Optional Methods)
- Driver pulls fully onto scale and stops
- Red Light is activated once scale is in motion. When motion ceases, the time, date, truck I.D. number and net weight is stored for the current harvest field # and product #. - The green light is activated and the truck leaves.
- When 0 thresholds are reached light goes red and system goes idle.
- * System works in conjunction with the Western Aurora Series Remote Display c/w Built-In Stop & Go Lights (4.5” Red LED Digits; 6 Digits; Red / Green Lights)
- * Operator has the option to print the report on the ticket printer or download harvest information to Microsoft Excel

Report Sample From Ticket Printer:



Field #1022

Commodity #1

#1,	18-Oct-2007,	08:53,	40,200 KG
#1,	18-Oct-2007,	09:22,	35,000 KG
#1,	18-Oct-2007,	10:00,	37,000 KG
#1,	18-Oct-2007,	11:57,	40,000 KG

5,592 BUSHELS

152,200 KG





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* REPORTS GENERATED FROM FIELD # AND COMMODITY

Report Sample From Microsoft Excel:

Date	Time	Field/ Bin	Field Name	Prod. #	Name	Net Wt.	Units	Bushel s	Truck ID
2-Nov-07	10:49	1050	HOME PLACE	1	WHEAT	59980	KG	2205.1	1
2-Nov-07	10:55	1050	HOME PLACE	1	WHEAT	29990	KG	1102.6	2
2-Nov-07	11:50	1050	HOME PLACE	1	WHEAT	29990	KG	1102.6	2
2-Nov-07	11:52	1051	HOME PLACE	1	WHEAT	30000	KG	1102.9	3
2-Nov-07	11:56	1051	HOME PLACE	1	WHEAT	59990	KG	2205.5	1
2-Nov-07	11:57	1052	HOME PLACE	1	WHEAT	59990	KG	2205.5	2
2-Nov-07	11:59	1052	HOME PLACE	1	WHEAT	<u>59990</u>	KG	<u>2205.5</u>	1
						329930	KG	12129.7	Bushels

* REPORTS GENERATED FROM FIELD # AND COMMODITY

HARDWARE

Nema enclosure 10 X 12 X 5 with:

- 1 - Smart 1
- 1 - Power Supply 9VDC/1A
- 1 - Power Supply 24V/.5A
- 1 - Dual power outlet
- 2 - Input board 110590
- 1 - Output board 110479





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- 2 - Solid state relay 110VAC/3A
- 23 - Wiring terminal
- 1 - Ground terminal
- 1 - Circuit breaker 3A
- 1 - USB Upgrade Kit
- 2 - RF Receivers
- 1 - Antenna
- 3 - Transmitters (Option for 6 transmitters)
- 1 - USB Memory Stick

SOFTWARE

Files Structure

1. Fields/Bins (9999 Records)

- Field number (4 digits – 2 for field & 2 for bin); description (15 characters)

2. Commodities (25 Records)

- Commodity ID (2 digits); name (15 characters); bushel weight

3. Trucks (6 Trucks / 6 Tare Weights)

- ID number (1...6)
- Tare weight (1a...6a)

4. Transactions (Unlimited - From Memory Stick / 250 without Memory Stick;

- Truck ID; field number; commodity number; net weight date/time





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