



Model i60 Serial Processor

Smart Device-based Grain Cart Weighing and Data Management System

TECHNICAL SPECIFICATION

Bluetooth Connectivity

Accurate

Simple to Use

The iForeman grain cart solution consists of the iForeman app for your smart device and the i60 serial processor. The i60 simply connects to your j-box interface cable and through Bluetooth, wirelessly sends the weight data to the iForeman application, eliminating cable clutter in the tractor cab. Unlimited number of devices can be synced with the i60 Bluetooth to view the grain cart's weight in remote mode. iForeman's simple touchscreen interface records key information including commodity, field and delivery location of every load.

FEATURES & BENEFITS

Simple Operation – Automatically measures, records, and organizes loads from cart to truck. Allows selection of field, truck, destination, operator and cart from Display screen.

Compatibility – Works with iPad gen 3 or later, iPad mini, and iPhone 4S or later.

SmartLoad Auto Unload Detection – SmartLoad senses when the cart starts and accurately records every transaction ensuring no loads are missed.

Remote Mode – Unlimited number of compatible smart devices, running the iForeman App in Remote-mode can connect via Bluetooth to the i60. This allows anyone within 400' (122 meters) of the i60 on the grain cart to see exactly the weight of the commodity in the grain cart.

Wireless – Bluetooth communication and Lithium Double AA battery-operation allows mounting the i60 serial process on the grain cart eliminating cable clutter in the cab and trouble free hitching to the grain cart. Range is 50' (15 meters) line-of-site to the main smart device in the tractor. Remote mode range is up to 400' (122 meters)

J-box Interface – The i60 has a 4-pin Amp female connector. Simply connect the i60 to the junction box using an interface cable that has a 4-pin Amp male connector.

Reports – Reports can simply be emailed when the iForeman device is connected to Wi-Fi. This allows users review relevant reports in a timely manner even if they are not at the field harvesting.



Use your smart-device as an in-cab indicator.

Comprehensive Data – A complete record is maintained for every cart load. Data automatically includes the time, date, weight, and GPS location (if supported by mobile device). In addition the user can record grower, farm, field, commodity, truck, load destination, equipment operator, moisture, temperature and test weight.

Easy Editing – Loads may be edited easily on the smart device allowing the user to maintain an accurate database.

Truck Monitoring – Truck tare and maximum GVW may be configured to simplify loading of truck.

Weight Display – High contrast, easy-to-view display of gross weight and net weight.

Tare/Clear – The TARE key sets the reference weight from which net weights are measured and displayed. The Clear key clears the reference so that the net and gross displays are identical.

Smoothing – Dynamic filtering stabilizes the weight displayed while traveling over rough terrain.

Automatic Power Control – iForeman device conserves power after one hour of scale inactivity or while app is not running.

Rugged Construction – Polycarbonate enclosure protects electronics from vibration, impact, moisture and dust.

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SPECIFICATIONS

Power: Supplied by (1) 3.6 V Lithium AA primary cell battery (AWT05-508275) i60 requires minimum of 3.3V to run. Estimated run time of 375 hours of continuous weighing operation under full load (8 x 350 Ohm load bars).

Run time:

- 3 x 350 ohm: 816 hours
- 5x 350 ohm: 552 hours
- 6 x 350 ohm: 480 hours
- 8 x 350 ohm: 372 hours

Voltage Monitoring: iForeman application displays voltage being supplied by the battery in the i60.

Bluetooth: 4.0

Enclosure: Polycarbonate with IP65 rating (Water, dust, and impact resistant).

Dimensions: 4.53”L x 2.56”W x 2.17”H in.
(115.06 mm x 65.02 mm x 55.12 mm)

Weight Update Rate: Once per second

A/D Conversion Rate: 1hz

Unit of Measure: lb, kg, bu

Capacity Range: up to 9,999,999

Memory Backup: Following are saved when power is lost: Sensitivity, Rated Capacity, and Calibration factor

Excitation: 3.3 volts, drives eight (8) 350 Ohm weigh bars

Analog Range: ± 4 mV/V

Annunciators: lb, kg, Auto, Manual, Remote, Gross Operational Keys: TARE, CLEAR, UNLOAD, and SAVE

Increment Sizes: 1, 5, 10, 20, 25, 50, 100, 200, 250, 500, and 1000

Environment: -20° to 140° F (-29° to 60° C)

Weight: 0.5 lb (0.2 kg)

Shipping Weight: 0.6 lb (0.3 kg)

Agencies: FCC Part 15, Industry Canada ICES-003 and RSS-210, CE marked

Warranty: Three years



Smart devices can be used as a remote display.



i60 Serial Processor box.



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SIMPLY ACCURATE



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