Installation Procedure

Bluetooth Elite Scales for Industrial Gas Tanks

IMPORTANT ⓘ It is critical in all installations to ensure monitors' antenna is positioned vertically. This will achieve optimal signal strength, ensuring that you receive data in a timely manner and prolong the battery life of the monitor.

PLEASE TAKE A MOMENT TO CAREFULLY READ THE INSTALLATION INSTRUCTIONS INCLUDED WITH YOUR MONITORS, AND ENSURE YOU UNDERSTAND AND RESPECT LOCAL REGULATIONS.
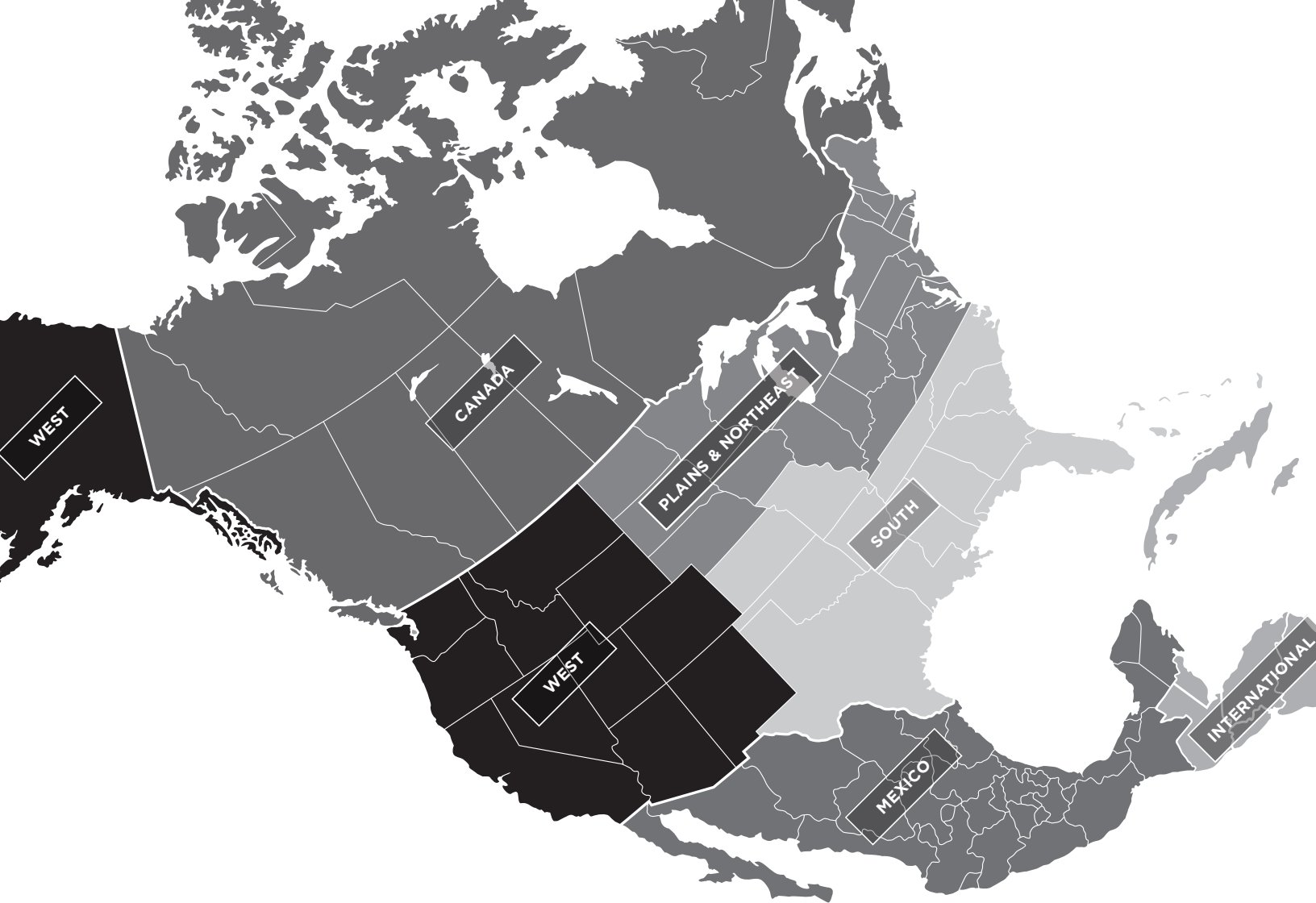
Do not pressure wash

WARNING Changes or modifications to the unit must only be performed by an authorized technician. For outdoor use only. Explosion Hazard - Do not open when an explosive atmosphere is present. Potential electrostatic charging hazard - wipe only with a damp cloth.

INSTALLATION Always follow your local regulations and standards. If locally required, consult with certified personnel to ensure your installation is compliant.

BATTERY REPLACEMENT Please contact Otodata Support or your representative for battery replacement programs.

SUPPORT

1-514-673-0244 | 1-844-763-3344 (Toll-free)
support@otodatatankmonitors.com

EMERGENCY SUPPORT

1-833-529-9499
Available 24 hours, 7 days a week.

Specifications

Bluetooth Elite scale to weigh small-size industrial tanks up to 300kg

Input

Weight sensors data via Bluetooth

Reporting & Outputs

Reporting	Measured parameter (5% variation)
	Low battery
	High/Excessive draw
	Temperature
Data Interface	Raw data
	Client mobile app
Automated Testing	Connection status
	Battery status

Electrical Specifications

Battery Pack	Hybrid LTC 8.5Ah ~ 3.6 Vdc

Radio Specifications

Receiver	Freq.: 2402.000MHz ~ 2480.000MHz
	Modulation: GFSK
Transmitter	Freq.: 2402.000MHz ~ 2480.000MHz
	Modulation: GFSK
	Output: 4.73dBm

Features

Auto-pairing to any Otodata ready sensor
Android and IOS apps
Ready to install

Environmental Specifications

Operating & storage temp. range	-40°C to 85°C	-40°F to 185°F
Relative humidity range	0% to 100%	
Enclosure rating	IP67	
Warranty	1 year	

Certifications

ISED RSS-247, Issue 2	IC Registration: 12649A-BEHT3AD
FCC Part 15 Subpart C	FCC ID: 2ADQFBEHT3AD

Dimensions

Height	114 mm	4.5 in
Width	406 mm	16 in
Depth	508 mm	20 in

Ordering

ES3022
Small Elite Scale with BT 650lb (300kg), no monitor

TM5030BG-VA00-CNEE-ES3022
Small Elite Scale with BT and Gen2 monitor 650lb (300kg)

Specifications

Bluetooth Elite scale to weigh industrial tanks up to 1,000kg

Input

Weight sensors data via Bluetooth

Reporting & Outputs

Reporting	Measured parameter (5% variation)
	Low battery
	High/Excessive draw
	Temperature
Data Interface	Raw data
	Client mobile app
Automated Testing	Connection status
	Battery status

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Certifications

ISED RSS-247, Issue 2	IC Registration: 12649A-BEHT3AD
FCC Part 15 Subpart C	FCC ID: 2ADQFBEHT3AD

Dimensions

Height	114 mm	4.5 in
Width	749 mm	29.5 in
Depth	749 mm	29.5 in

Ordering

ES3026
Large Elite Scale with BT 2200lb (1000kg), no monitor

TM5030BG-VA00-CNEE -ES3026
Large Elite Scale with BT and Gen2 monitor 2200lb (1000kg)

Label on Device

Barcode	M/N: ES3022 F/W: 1.0 **52000001** IC: 12649A-BEHT3AD FCC ID: 2ADQFBEHT3AD	FAIT AU CANADA

Barcode	M/N: ES3026 F/W: 1.0 **52000001** IC: 12649A-BEHT3AD FCC ID: 2ADQFBEHT3AD	FAIT AU CANADA

ISED Non-interference Disclaimer

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

1. This device may not cause interference

2. This device must accept any interference, including interference that may cause undesired operation of the device.

> L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
>
> 1. L'appareil ne doit pas produire de brouillage;
>
> 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Statement for ISED

This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.6 inches) between the radiator and any part of your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
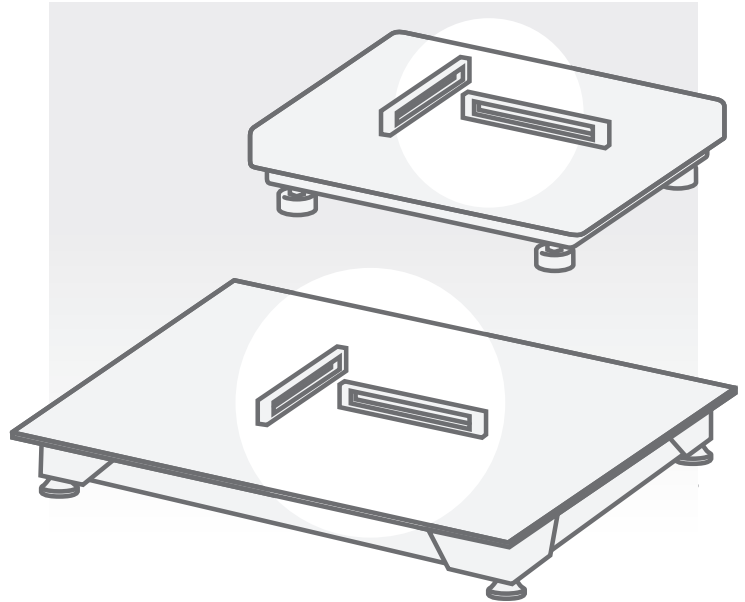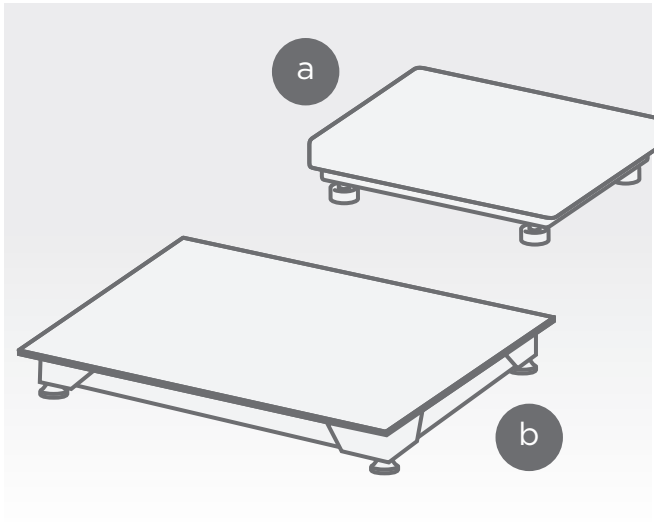
> Our se conformer aux exigences de conformité ISED RSS-102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes. Lanceurs ou ne peuvent pas coexister cette antenne ou capteurs avec d'autres.

RF Exposure Statement for FCC

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, this equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna and your body during normal operation. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Installation Instructions

Instructions are applicable to models
ES3022 and ES3026

Step 1   Verify All Parts are in Good Condition
Before you begin, take a moment to verify if all parts are in good condition, and all 4 legs are in place.

a. Model ES3022, Small Elite Scale 650lb (300kg)
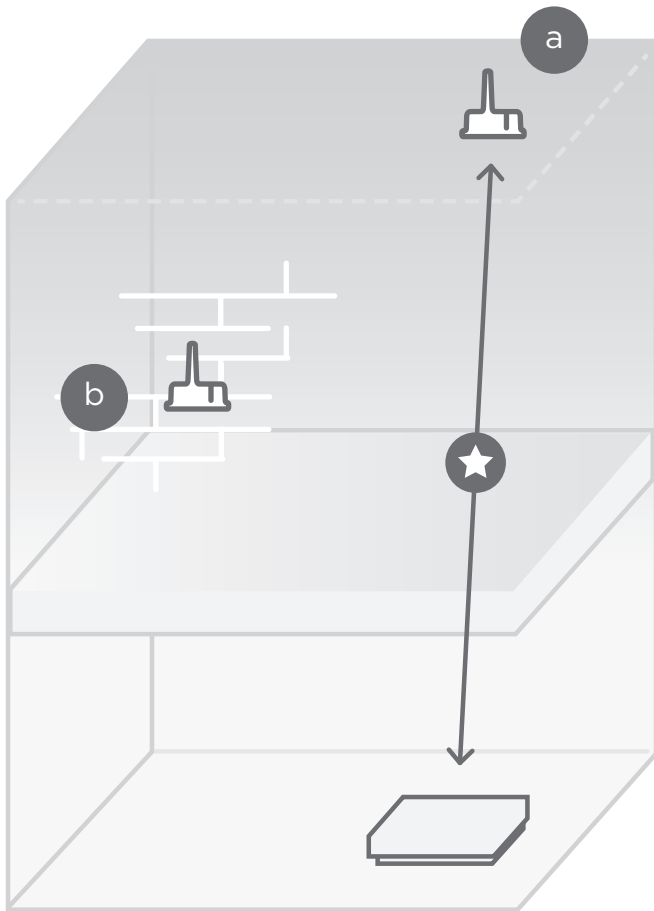**b.** Model ES3026, Large Elite Scale 2,200lb (1,000kg)

If any parts are missing, contact your sales representative.

Step 2   Ensure the Scale is Perfectly Level
Place the scale on the floor where you intend it to be installed, and rotate the legs up or down untill it is perfectly level.

We strongly suggest using a Bubble Level to verify if the scale is perfectly straight.

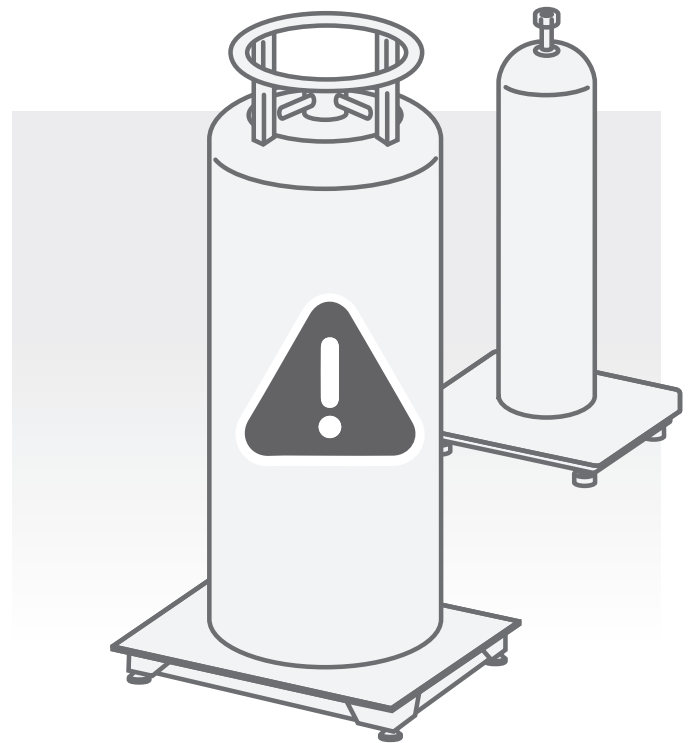Once done, tighten the counter nuts to lock them in place.

Step 3   Install Wireless Bluetooth Monitor Within 25ft of the Elite Scale

Once your scale is leveled, it is time to install the Otodata Monitor. This monitor has a powerful antenna which will intercept the signal from the Scale and transmit the tank weight to the cloud.

a. Install on roof, or
b. exterior wall (affix with mounting bracket ACWMB1)

⭐ **IMPORTANT** For correct operation, the Otodata Wireless Bluetooth Monitor should be installed as high up as possible in an area clear of major obstructions, and should be no more than 25 feet (7.5m) from the Elite Scale.

Step 4   Mount Tank onto Scale

Exercising extreme caution, gently mount your tank onto the scale. Position as perfectly centered as possible.

IMPORTANT DO NOT let the tank hit/fall onto the scale as it can cause irreparable damage.

Members can watch step-by-step installation videos and shop online

Sign up free today

otodatatankmonitors.com/membership

Members can purchase monitors and accessories like gauges, leads, mounting equipment and more via our online store.