AssetTracer

AssetTracer Weight Accountability System

Track usage without relying on user input. Gain deeper insight, improved control, and full traceability.

Weight Accountability is a powerful feature of AssetTracer Intelligent Lockers designed to give organizations oversight of critical assets like OC (Oleoresin capsicum) spray canisters, weapons, evidence, medication, IT assets, and more.

Ideal for Multiple Industries

Law Enforcement: Maintain integrity of evidence by tracking item weights.

Corrections & Military: Monitor lethal and non-lethal weapon inventory and ensure gear accountability.

Healthcare Facilities: Accurately track medical supplies, consumables, and medications.

IT Departments: Ensure peripherals and accessories remain accounted for.

Why Weight Matters

In high-security or compliance-heavy settings, merely tracking asset check-outs and returns isn't always enough. AssetTracer's weight-based accountability feature ensures your team knows whether an item has been used or modified – even if it looks untouched.

This level of transparency isn't just operationally powerful; it helps meet regulatory documentation requirements like EMS 583/586 and Federal BOP Program Statements.

AssetTracer's Weight Accountability feature is highly customizable and provides unmatched assurance and oversight.

WEIGHT (g/oz)

Weight (Original) **350g** 12.35oz

Weight (Current) **220g** 7.76oz

Features & Benefits

High-Precision Sensing: Detects subtle weight differences to track usage events with confidence.

Silent, Screenless Operation: No digital display, so weight data is secure and hidden from users.

Tamper-Resistant Integration: Fully enclosed and protected inside the AssetTracer locker compartment.

Dual Capacity Support: Accurately handles both lightweight and heavier items in a single platform.

Smart Terminal Connectivity: Seamlessly integrated with AssetTracer's other features, including calibration and return workflows.

Regulatory-Ready: Designed to meet international measurement and food safety standards (NSF, OIML).

Whether you're complying with federal use-of-force documentation or tightening internal oversight, this precision weight solution gives you the insight and reliability your operation demands without adding complexity to your workflows.

Certified Precision You Can Trust

Legal for Trade Certified Weighing Technology

AssetTracer's weight accountability system is built on Legal for Trade certified technology, ensuring every recorded weight meets the highest standards of accuracy, security, and auditability. This certification isn't just for commercial scales – it's a regulatory seal of trust. It means the scale is:

Tamper-Resistant: Calibration is sealed to prevent unauthorized changes.

Accurate & Repeatable: Meets international legal metrology standards (e.g., NTEP, OIML, EU MID).

Audit-Ready: Weight data is valid for use in official reports, investigations, and compliance filings.

Approved for Regulated Environments: Trusted in law enforcement, corrections, healthcare, and industrial applications.

OIML Certified and NSF Approved

OIML Certified: Complies with global legal metrology standards for trade, custody, and compliance.

NSF Approved: Certified for food-safe environments — easy to clean, corrosion-resistant.

By incorporating Legal for Trade certified technology, AssetTracer ensures that every weight-based event – like OC spray usage or medical inventory handling – has a reliable, traceable digital footprint.

Hardware/Software Enhancements

Our integrated scale delivers industrial-grade precision in a tamper-resistant, low-profile design, ensuring secure and silent verification of asset usage.

- **Integrated Digital Scale:** Embedded in the locker terminal — tamper-proof and hidden from user view.
- Weight data is captured and routed to the Smart Terminal, ensuring speed, accuracy, and integration with core workflows.
- **Design Consistency:** Maintains the sleek, professional aesthetic of AssetTracer.

RTNHub Integration

All weight data is stored and accessible through RTNHub:

- **Calibrated Weight History:** with timestamps and admin credentials
- **Return Weight Logs:** every user return, tracked and recorded
- **Weight Fault Records:** with detailed fault type (Over / Under / Outside Range), timestamps, and responsible users
- **Customizable Thresholds:** default or item-specific variances in grams or percentage
- **Automated Notifications:** configure alert emails for weight faults

How It Works

1 Item Weight Calibration

Initial Calibration

- Authorized administrators calibrate an item's weight when it's first deposited into the locker.
- The system prompts the admin to place the item on the integrated scale to record its base (reference) weight.
- All calibration data is securely stored with timestamps and admin credentials for audit purposes.

Recalibration After Use

- If an item is used or its weight changes during its lifecycle, administrators can recalibrate at any time.
- Recalibration ensures continued accuracy in return validations and weight fault detection.

2 Taking Weighed Items

- Items with weight tracking are taken just like any other AssetTracer item.
- If no calibration exists, the item cannot be dispensed.

3 Returning Weighed Items

- Upon return, users are prompted to place the item on the scale.
- If the return weight deviates from the allowed threshold, a critical weight fault is silently recorded and the item is quarantined until cleared.
- Users are never alerted, ensuring discreet monitoring visible only to administrators.

Fault Types Supported

- Over Allowed Weight
- Under Allowed Weight
- Outside Weight Range

Each fault is timestamped, user-attributed, and visible in RTNHub's item history for full compliance.

See it in Action

Discover how AssetTracer Weight-Aware Intelligent Lockers can transform your organization's asset management.

Request a Live Demo →