DRX-500sx/nw

Product Catalog

Specifications

Counting Feature Specifications

Database Capacity   6 GB (Available) - Preloaded w/ National Drug Code Directory
MW (Minimum Piece Weight)   30mg (3e)
MSS (Minimum Sample Size)   10 pieces
Sample Size Selection   10, 30, 60, 90, 100

Scale Specifications

Maximum Capacity   500g
Readability (d)   0.001g
Verification Unit (e)   0.01g
Stabilization time (typical)   Approx. 3s
Calibration   Internal and Automatic
Tare Range   -500g
Accuracy Class II
Pan Dimension   120mm
Scale Dimensions   216 x 345 x 90 mm
Operating Temperature   +15C to +30C
RS232 Port   Bidirectional - used for Scanner and Printer connections
PS2 Keyboard Port   Standard - compatible with any standard PS2 Keyboard
RJ45 Network Port   Standard - TCP/IP Network Connection
Wi-Fi (500sx /w models)   High Performance "g" Type
Barcode Scanner   High Performance Omni-directional Laser

Server Specifications

CPU   500 MHz
RAM Memory   512 MB DDR-SDRAM
Disk Capacity   8 GB
Disk Type   High Performance , premium quality CF card
Ports   4 Ethernet ports (1 Internet and 3 Private Scale Ports)
Port Expansion Card (optional)   4 Ethernet ports
Wi-Fi (Wi-Fi models Only)   "g" Type

For more information please call 1.866.473.6900

Pill Counting

FAST 3 STEP COUNTING WITH DIRECT VIA FILLING

A typical pill counting transaction of 100 pills, performed on a DRX500 scale connected to the TORBAL server is made in three easy steps, and can be performed under 20 seconds. The steps are simple: tare the vial, scan the NDC located on the supply bottle, and fill the count. During each count the scale displays the name of the drug and other important drug information. Details of each transaction are logged by the server.
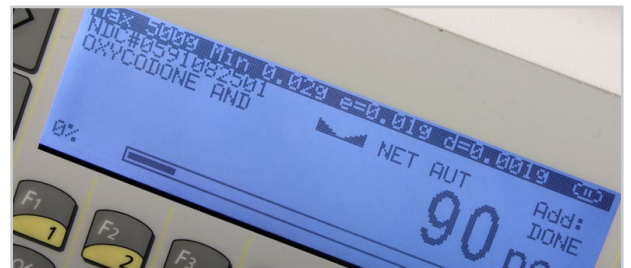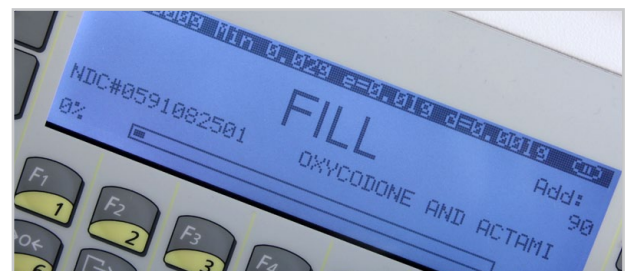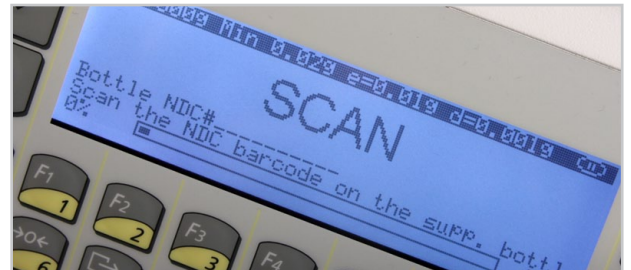
DRX SYSTEM SOFTWARE PREINSTALLED ON AN EMBEDDED NETWORK / WIFI COMPUTER

THE **TORBAL DRX SYSTEM SOFTWARE** IS FURNISHED PREINSTALLED ON AN EMBEDDED COMPUTER -THE TORBAL Rx SERVER. THIS ALL SOLID STATE DEVICE HAS BEEN DESIGNED TO ALLOW MULTIPLE DRX-500S PILL COUNTING

SCALES TO FUNCTION IN A NETWORK ENVIRONMENT, BOTH IN A WI-FI WIRELESS AND ETHERNET WIRED CONFIGURATIONS. THE SERVER IS ALSO PREINSTALLED WITH THE COMPLETE NATIONAL DRUG CODE DIRECTORY DATABASE,

AND ALLOWS USERS TO STORE A CENTRALIZED DATABASE OF DRUG AVERAGE PILL WEIGHTS (APW) WHICH ARE SHARED BETWEEN ALL SCALES CONNECTED TO THE SYSTEM.

The server controls the DRX-500s pill counting stations and tracks all pill counting transactions as well as user activity. During each pill counting transaction the server sends the scale detailed information about the counted medication.

The WiFi configuration allows for a simple Plug-and-Play setup. The TORBAL server is designed to handle a network of up to 30 DRX500s pill counting scales. Scales can be connected directly to server, or through a hub or a switch of your existing local area network, as well as, a remotely over the internet.

# INTERACTIVE ADMINISTRATIVE PANEL ACCESS THROUGH ANY PC WEB BROWSER ON THE NETWORK
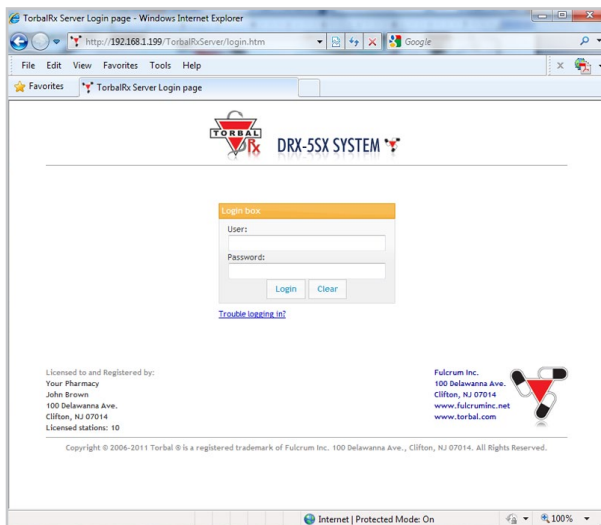
The software is easily accessed and viewed with the use of a web browser such as Internet Explorer or Mozilla Firefox. Once logged-in, the administrators have access to detailed graphs, charts, and reports, of performed transactions. The admin panel is also used to setup users and configure the server. Each server

offers great flexibility and can be configured to fit particular pharmacies needs and requirements. For example, some servers may be configured in a very strict manner in order to track and control all users who perform transactions, whereas other servers may be configured more freely where users are not required to log in, and the server is mainly used for sharing drug data and information.
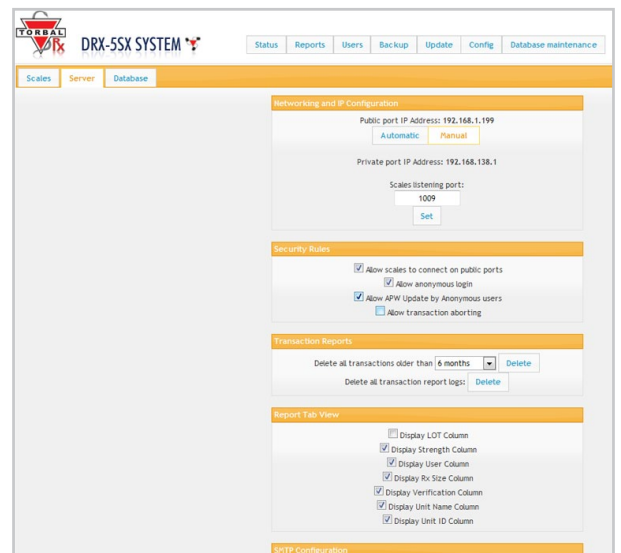
COUNTING TRANSACTION AND USER ACTIVITY MONITORING
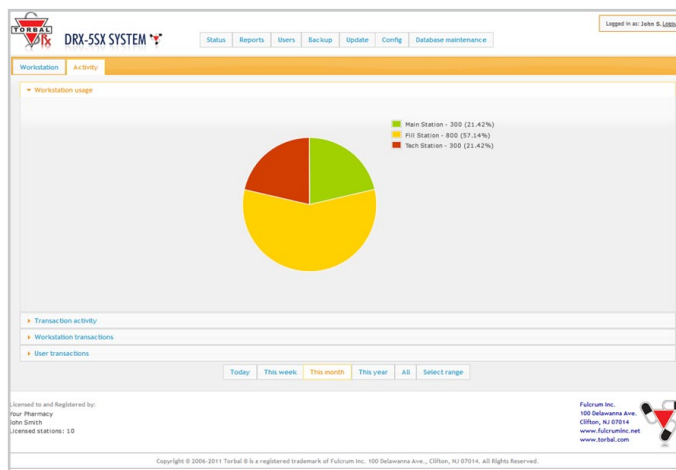
Details of performed counting transactions are instantly recorded by the TORBAL Server. Transactions are compiled into graphs and charts for easy and fast interpretation. General system activity is displayed in a pie chart called the "Workstation usage". The chart shows how many prescriptions have been counted on a particular workstation, allowing the administrator to make sure that prescriptions are evenly spread out among all workstation in the system. The "Transaction activity" line graph shows the number of transactions performed in a specified time frame. This graph is often used to interpret prescription counting and processing patters. Other graphs show information pertaining to pill counting transaction made by specific users and workstations.
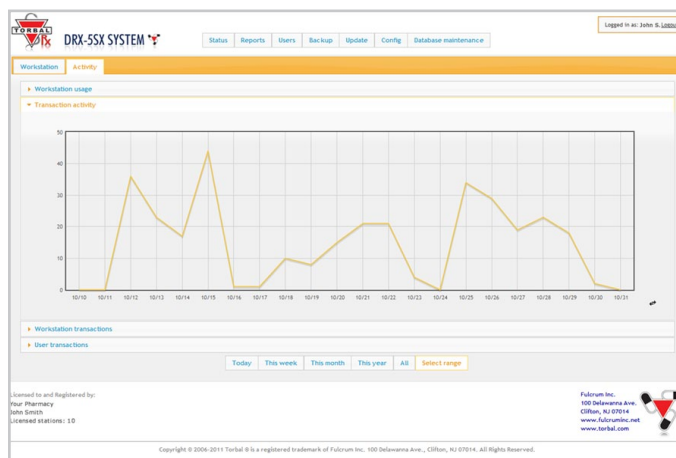
COUNTING TRANSACTION REPORTS AND DATA EXPORTING

TRANSACTIONS RECORDED BY THE TORBAL SERVER ARE GATHERED INTO SEVEN DIFFERENT REPORTS. THE "ALL TRANSACTIONS REPORT" DISPLAYS INFORMATION REGARDING ALL PERFORMED PILL COUNTING TRANSACTION. EACH TRANSACTION IS STAMPED WITH A DATE AND A TIME, AND INDICATES THE USER NAME, WORKSTATION ID, DRUG NAME AND NDC, AS WELL AS THE ACTUAL COUNT. OTHER REPORTS SUCH AS THE "USER TRANSACTIONS" OR THE "UNIT TRANSACTIONS" DISPLAY TRANSACTIONS THAT WERE PERFORMED BY A SPECIFIC USER, OR ON A SPECIFIC DRX WORKSTATION. EACH REPORT CAN BE PRINTED IN A PRINTER FRIENDLY FORMAT OR EXPORTED TO A SPREAD SHEET IN A .CSV FORMAT. WHEN EXPORTING DATA TO A SPREADSHEET, THE SYSTEM AUTOMATICALLY GENERATES .CSV FILE AND OPENS IT IN YOUR DEFAULT SPREADSHEET PROGRAM.

#	Date	Time	User	NDC	Drug	Strength	Count	Rx Size	Verified	Unit name	Unit id
274	01/14/2011	04:36 PM	Isabella S.	0406052301	OXYCODONE AND ACETAMIN(	325MG; 10MG	60pcs	60pcs	yes	Tech Station	09510003
273	01/14/2011	04:35 PM	Jacob J.	0603258232	CARISOPRODOL TABLETS USP	350MG	60pcs	60pcs	yes	Fill Staion	09510005
272	01/14/2011	04:34 PM	Isabella S.	0603258232	CARISOPRODOL TABLETS USP	350MG	100pcs	100pcs	yes	Tech Station	09510003
271	01/14/2011	04:34 PM	Isabella S.	0603258232	CARISOPRODOL TABLETS USP	350MG			no	Tech Station	09510003
270	01/14/2011	04:33 PM	Jacob J.	0074630113	ERYTHROMYCIN CAPSULES DI	250MG	90pcs	90pcs	yes	Fill Staion	09510005
269	01/14/2011	04:32 PM	Jacob J.	0378035501	DICLOFENAC SODIUM TABLET	100MG	30pcs	30pcs	yes	Fill Staion	09510005
268	01/14/2011	04:32 PM	Jacob J.	0378035501	DICLOFENAC SODIUM TABLET	100MG	100pcs	100pcs	yes	Fill Staion	09510005
267	01/14/2011	04:31 PM	Isabella S.	0406833001	MORPHINE SULFATE TABLETS	30MG	90pcs	90pcs	yes	Tech Station	09510003
266	01/14/2011	04:30 PM	Isabella S.	0406833001	MORPHINE SULFATE TABLETS	30MG			no	Tech Station	09510003
265	01/14/2011	04:30 PM	Jacob J.	0406052301	OXYCODONE AND ACETAMIN(	325MG; 10MG	59pcs	60pcs	yes	Fill Staion	09510005

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User transactions
Unit transactions
Failed verification
Miscounts

Today   This week   This month   This year   All   Select range

Licensed to and Registered by:
Your Pharmacy
John Smith
Licensed stations: 10

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www.torbal.com

AUTOMATIC E-MAIL REPORTING

When connected to the internet and configured with SMTP settings, the TORBAL server generates and automatically emails daily, weekly, monthly, and quarterly reports which include details about performed counting transactions, verifications, most frequently counting drugs, as well as detailed user activity. Emailed reports can be configured to include only data of interest and exclude unnecessary information. Reports are emailed at a time set by the system administrator.

INSTANT E-MAIL ALERTS FOR USER CAUSED MISCOUNTS AND FAILED RX VERIFICATIONS

When using features such as prescription size or Rx verification, the TORBAL server monitors and records pill counting transactions to make sure that verification was performed successfully and that the count was filled accurately. If a user causes a miscount, by filling too many or not enough pills as required, or if a user fails Rx verification, the server instantly sends out an email alert to all administrators with a notification. This becomes especially useful when dispensing C2 narcotics or expensive drugs.
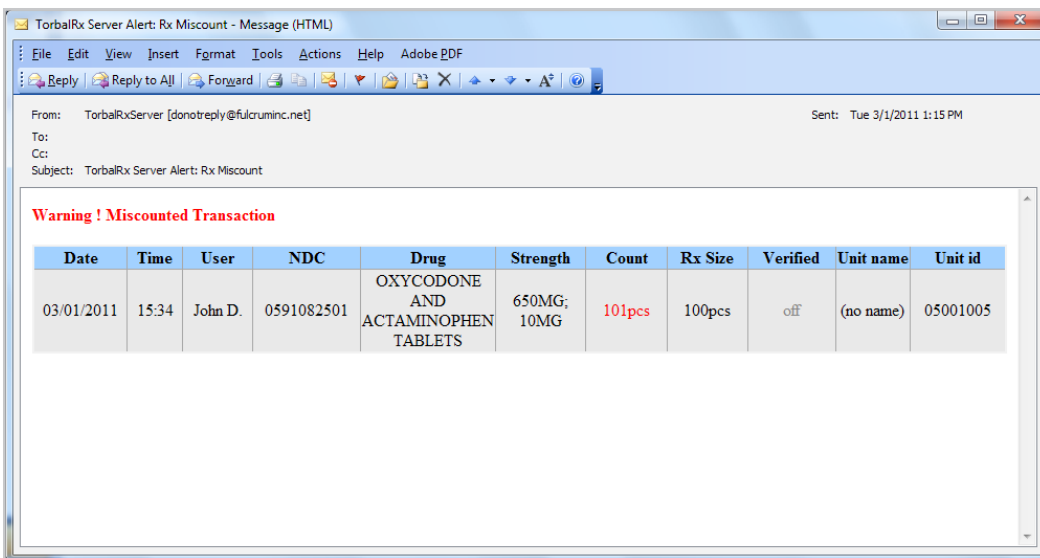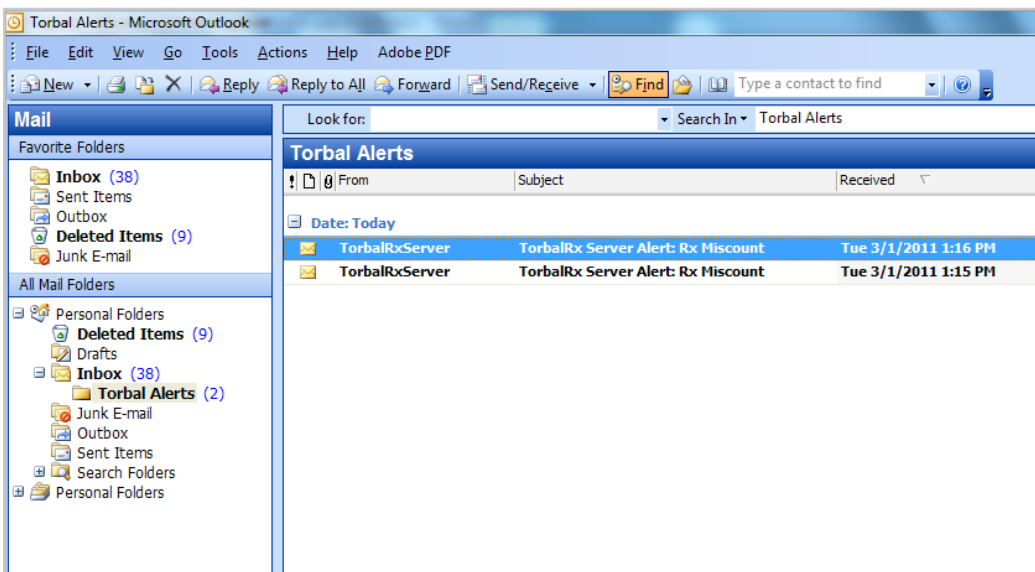
# PRELOADED NDC DIRECTORY DATABASE WITH DRUG NAME AND DRUG DETAILS DISPLAY

THE SERVER IS PRELOADED WITH THE "NATIONAL DRUG CODE DIRECTORY DATABASE." DURING EACH PILL COUNTING TRANSACTION THE SERVER SENDS TO THE DRX WORKSTATION SCALES DETAILED DRUG INFORMATION SUCH AS NAME, STRENGTH, DOSAGE FORM, AND MANUFACTURER. THIS INFORMATION CAN BE DISPLAYED DURING THE COUNT ALLOWING USERS TO FURTHER VERIFY THAT THE CORRECT DRUG IS COUNTED AND FILLED. NEWLY RELEASED NDC DIRECTORY INFORMATION CAN BE QUICKLY UPLOADED TO THE SERVER THROUGH THE ADMINISTRATIVE PANEL.
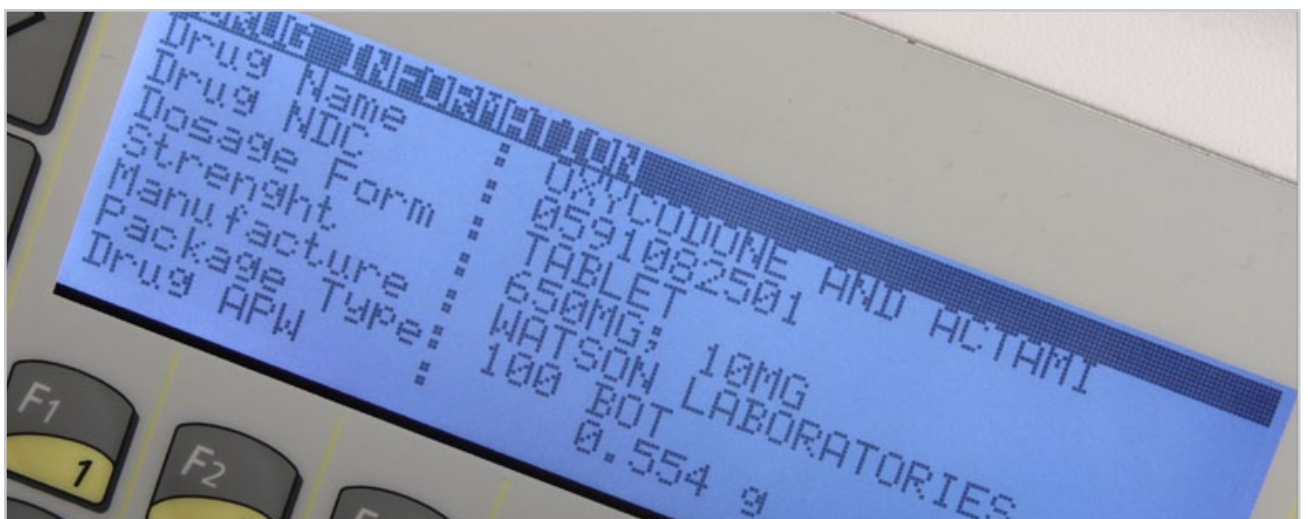
VERSATILE CONNECTION CAPABILITIES - REMOTE VIA THE INTERNET, DIRECTLY TO LOCAL NETWORKS, OR WI-FI
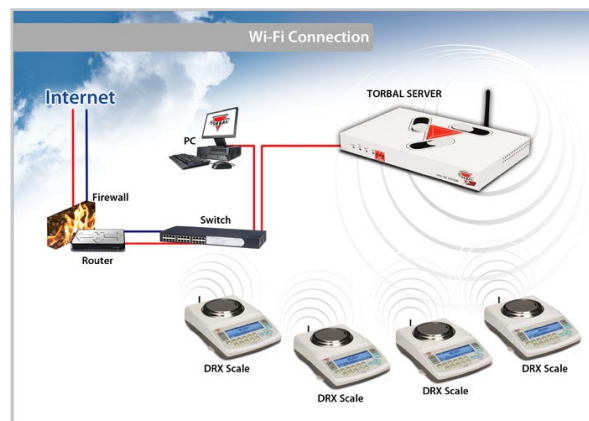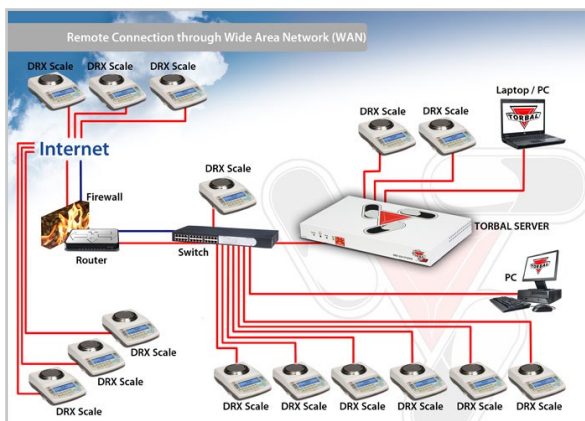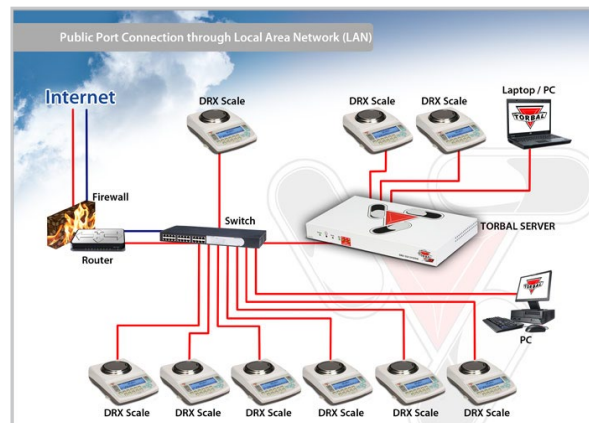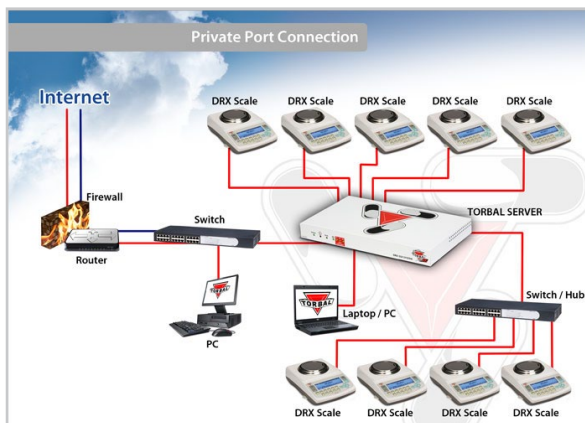
DRX-5 Workstations connect to the TORBAL Rx Server in four different ways. The Wi-Fi connection type offers a plug and play set up of the system. Wi-Fi scales are pre-configured to automatically connect with the TORBAL server wirelessly. This connection type is suitable in an environment where the scales are within 120' (32m) proximity of the TORBAL Rx Server and the wireless path is not obstructed by large or heavy structures.

The LAN (Local Area Network) connection allows the TORBAL server to connect directly to your local area network. In this connection the server, as well as, all the DRX workstations scales can be assigned with static IP addresses and connect to directly to any switch, hub or Ethernet wall-plug in your pharmacy network. The LAN connection is most suitable for medium to large network environments where DRX workstation scales are part of the same network but located far-away from the TORBAL server.

DRX Workstation scales can be also connected to the server remotely via the internet using WAN (Wide Area network). This allows workstation scales to connect to the server and share drug data from any location that has internet access. This configuration type is particularly useful to pharmacy owners with multiple stores in different locations.
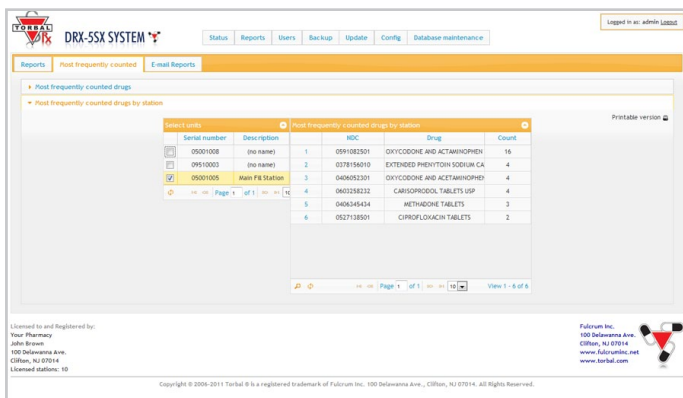
Another Plug-and-Play connection can be made by connecting DRX workstation scales directly to the Torbal server. This connection is suitable if the scales are in close proximity of the server or if network cables can be easily connected to the Torbal server. The server comes standard with three built in private scale ports. An optional expansion card allows for four additional built-in private ports. Also, a switch or a hub can be added in order to provide more private scale ports.

M I S C O U N T E D T R A N S A C T I O N A N D F A I L E D R X V E R I F I C A T I O N R E P O R T S

In addition to e-mail alerts; miscounted transactions caused by under or over filled prescriptions, are stored in dedicated reports for easy access and viewing. The server also generates a dedicated report for all transactions that failed Rx Verification. This saves the system administrator significant time when reviewing data.

MOST FREQUENTLY COUNTED PRESCRIPTIONS REPORTS

The TORBAL server monitors all performed counting transactions and generates a report of the most frequently counted drugs. The report shows the top movers and most frequently counted drugs of the formulary. The "Most Frequently Counted" report is generated based on all system transaction or based on transaction data received from individual workstations.

Rx NDC VERIFICATION

The NDC verification feature eliminates potential errors in prescription filling. It ensures that a prescription is correctly counted and filled. The feature allows the user to compare two NDC codes and check for a match. The NDC on your Rx label barcode is compared to the stock bottle barcode. If the two scanned NDC codes are the same the scale displays "Match OK" and allows to proceed with pill counting. If the codes are different, the scale displays a "Failed" message. Pill counting transactions which have failed Rx verification are recorded by the server in a dedicated report. As soon as "Failed" Rx verification

occurs the server instantly sends out an email alert notifying the administrators. The NDC verification feature can be used as an integrated part of pill counting, or as a separate function to verify medication other than pills or tables, such as creams, syrups and inhalers.
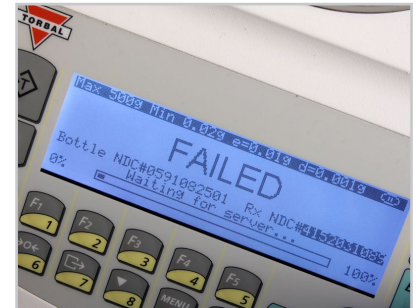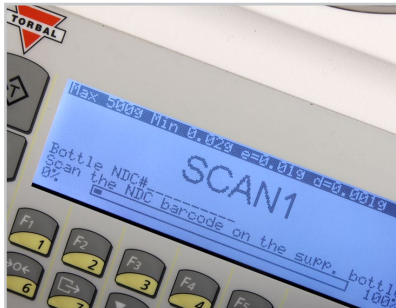
APA - Advanced Pill Counting Accuracy

APA is an advanced pill counting algorithm that quickly and efficiently adjusts for pill weight variations providing even greater accuracy when filling prescriptions. The feature is very easy to use and requires little user interaction. The feature can be used to update the Average Piece Weights (APW) for drugs during a regular pill counting transaction or an update of the database which is stored
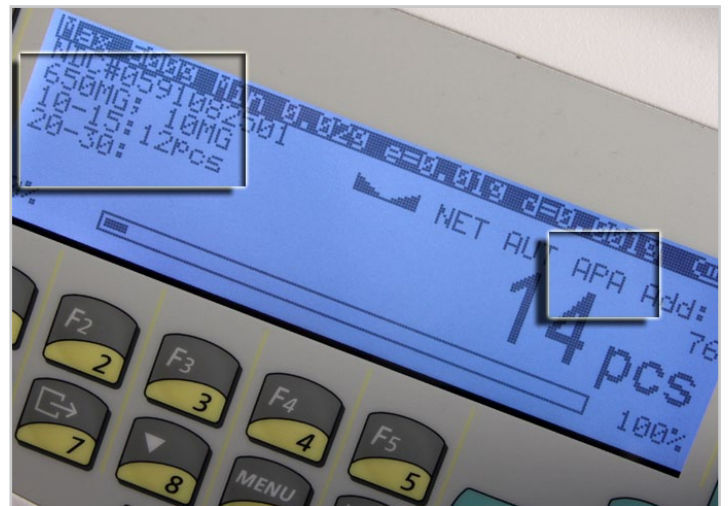
on the system server. This system not only improves counting accuracy, it also speeds up the process significantly and eliminates the need for the pharmacist to count pills manually when updating average piece weights.

Automatic NDC Updating with Advanced Pill Counting Accuracy (APA)
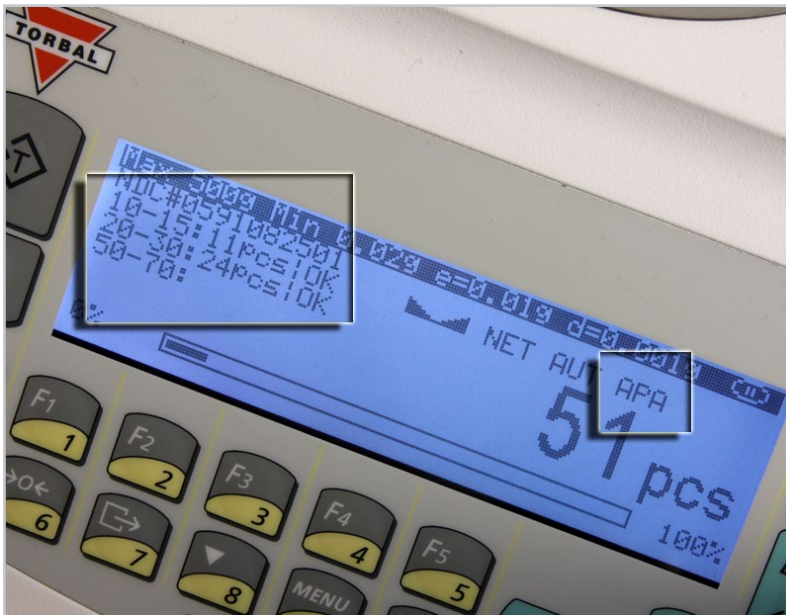
To assure highest pill counting accuracy the TORBAL server automatically reminds users to perform an update of a drug's average piece weight (APW). Updating a drug is a fast and easy process which is part of a regular pill counting transaction. The update feature incorporates TORBAL's advanced pill counting accuracy (APA) algorithm which eliminates manual counting of a sample. To update the user is asked to briefly pause the count at a range of 10 to 15 pieces and then again anywhere at the range of 20 to 30 pieces. This process adds only approximately 4 seconds to the counting transaction and automatically recalculates and updates the drug on the server assuring an accurate count. Most commonly drugs should be updated from every 60 to 90 days. The update frequency is set by the user and it usually correlates to the daily prescription filling volume.

QUICK USER BARCODE LOGIN

THE DRX500SX SCALES ARE EQUIPPED WITH USER LOGIN AND IDENTIFICATION FEATURES WHICH ALLOW THE SERVER TO MONITOR USER PERFORMED PILL COUNTING TRANSACTIONS. LOGIN TO THE SCALE IS FAST AND SIMPLE. EACH SCALE IS SUPPLIED WITH USER ACCESS CARDS WHICH ARE ASSIGNED TO INDIVIDUAL USERS. TO LOGIN A USER SIMPLY SCANS A BARCODE ON THE ACCESS CARD. IN LARGE SETTINGS SUCH AS HOSPITALS OR CLINICS, USERS CAN USE BARCODES PRINTED ON EMPLOYEE IDENTIFICATION CARDS. IF THE SCALE'S LOGIN TYPE IS SET TO PASSWORD A USER CAN ALSO LOGIN WITH A USER NAME AND PASSWORD.

PRESCRIPTION SIZE ENTRY
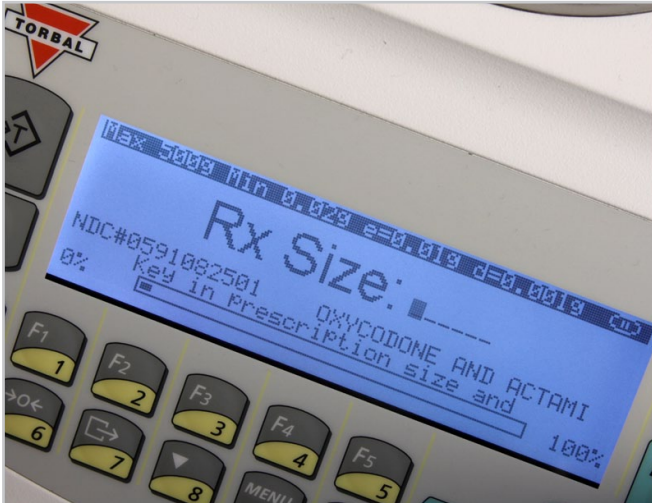
When performing a counting transaction, the remaining to fill feature assists in achieving cut off at the proper pill count. When the feature is enabled, in addition to the displayed pill count, the display shows an "Add" and "Remove" indicators. The indicators inform how many more pills must be placed in the vial to achieve the desired count, and indicates "0" at the target count. This feature helps to prevent overfilling. If too many pills are added, an overfill indicator displays the number of pills that should be removed from the vial.

ONSCREEN INSTRUCTIONS
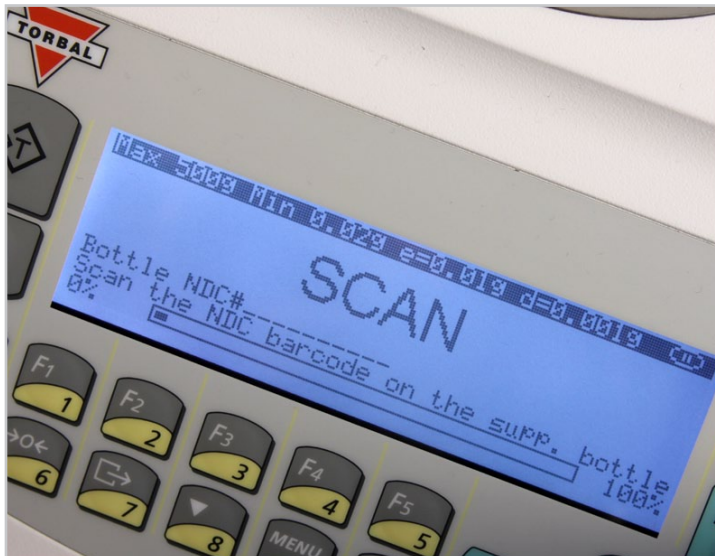
The large pixel type LCD display allows for graphics and full-text onscreen instruction to be displayed while counting pills. The pill counting function is designed as a short wizard that leads the user step-by-step through this simple operation. During the count the scale displays detailed drug information which is visibly organized on the scale's LCD.

LASER BARCODE SCANNER

Each DRX500Sx scale is supplied with a fast high performance Omni Directional laser barcode scanner. The 20 line scan pattern allows for fast and aggressive scanning of NDC barcodes in any orientation. The scanners in-stand hands free operation allows for even faster scanning and reduces operator fatigue when performing a large number of prescription counts.

LOT NUMBER LABELING
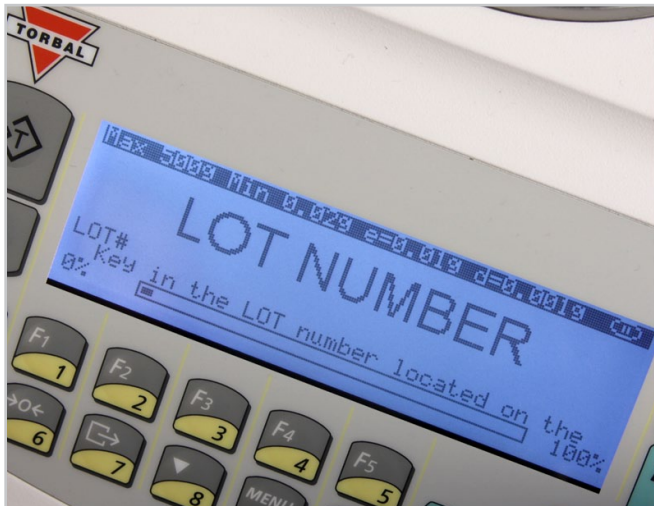
Labeling the drug with the actual name and LOT number is quickly and easily done via an external standard PC type keyboard connected to the scale's PS/2 port. The LOT number entry is particularly useful when maintaining drug's average piece weight. A small footprint PC type keyboard is offered as an accessory option.

COUNTING TRANSACTION PRINTING

This feature allows the user to print a record of a performed counting transaction. The printed receipt indicates the date and time of the performed transaction, as well as the NDC code, drug name, average piece weight and the actual count. The printer can print the receipt automatically when the transaction is finished or manually with the push of the data transfer key.
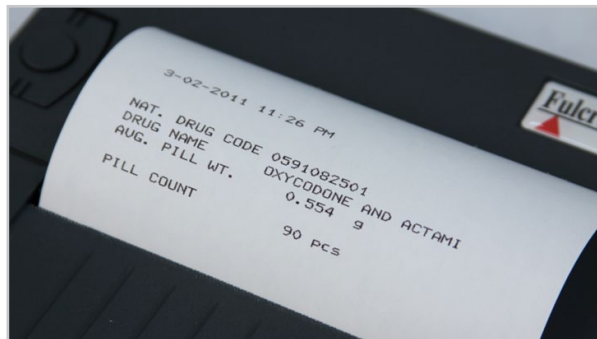
FULL SERVER MANAGEMENT FOR CUSTOM NETWORK REQUIREMENTS
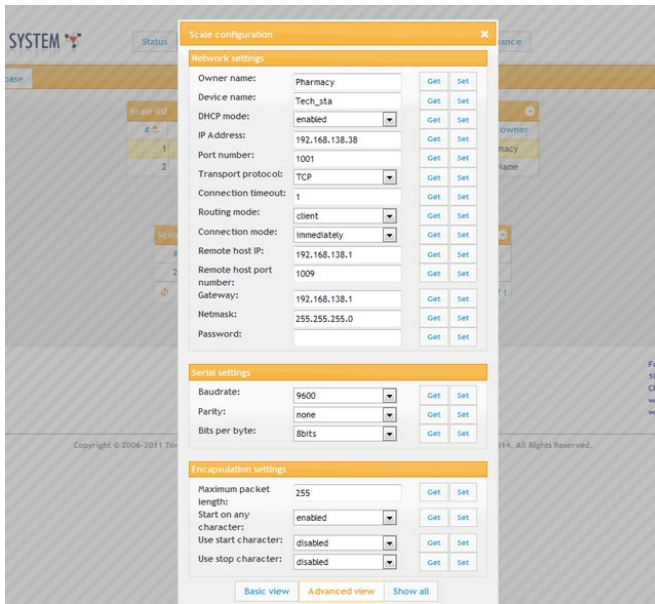
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The TORBAL Rx server is designed to handle a network of up to 30 DRX-500s scales. Up to 7 scales can be connected directly to server and more scales can be connected by adding on a hub or a switch or by connecting scales through an existing local area network, as well as, a remote over the internet. For large chains requirements of 30 or more DRX-500s workstations Fulcrum Inc. offers a Windows OS setup version of the TORBAL Rx server that can be installed on a dedication Windows Server PC.

NTEP CERTIFIED AND LEGAL FOR TRADE

THE DRX5 SERIES SCALES ARE MANUFACTURED IN ISO 9001 CERTIFIED FACILITIES AND ARE NTEP CERTIFIED FOR PILL COUNTING AND PRESCRIPTION WEIGHING IN A PHARMACY. THIS SERIES INCLUDES SCALES RANGING IN CAPACITY FROM 200G TO 500G, WITH READABILITY OF 1 MILLIGRAM. ALL SCALES MEET HANDBOOK 44 REQUIREMENTS FOR CLASS A BALANCES AND ARE LEGAL FOR TRADE.
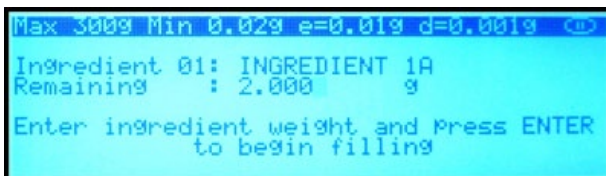
Compounding

F I L L I N G   M E T E R

This compounding feature includes a Filling Meter function that assists the user in the filling process. The meter is a none-linear indicator that indicates a cut-off point at which the meter indicator becomes very sensitive, therefore it allows the user to stop filling at the desired weight with greater accuracy.

R E M A I N I N G   T O   F I L L

In compounding a digital remaining to fill display indicates how much weight is needed to reach the desired weight. The user is asked to key in the desired weight of an ingredient before filling. This allows the scale to track the filled weight and display the remaining amount. If too much weight is placed, an excess indicator will be displayed, along with the amount of weight that should be removed.

I N G R E D I E N T L A B E L I N G

THIS FEATURE ALLOWS YOU TO ASSIGN UNIQUE NAMES OR LABELS TO INDIVIDUAL INGREDIENTS WITHIN THE COMPOUND. THE NAME OF THE INGREDIENT AND ITS WEIGHT ARE STORED IN THE SCALE'S MEMORY.

Max 300g Min 0.02g e=0.01g d=0.001g

Ingredient 01: ■_____

    Enter the ingredient name and press
            ENTER to continue
0%   100%

Max 300g Min 0.02g e=0.01g d=0.001g

Ingredient 01: INGREDIENT 1A■

    Enter the ingredient name and press
            ENTER to continue

R E C I P E A R C H I V I N G

THE COMPOUNDING FEATURE ALLOWS STORING THE ENTIRE RECIPE IN A LIBRARY THAT CAN BE VIEWED AT A LATER TIME. THE ARCHIVED RECORD INCLUDES THE DATE, TIME AND TOTAL OF A PERFORMED COMPOUND AS WELL AS THE NAME AND THE WEIGHT OF EACH INGREDIENT.

Recipe date 11-16-2008
I01: INGREDIENT 1A   2.000 g
I02: INGREDIENT 2B   5.200 g
I03: INGREDIENT 3B   0.600 g

TOTAL   7.800 g
F1 CONT. | F2 PRINT | F3 VIEW | F5 DONE

No. Recipe name   Recipe date

001 <empty slot>
002 <empty slot>
003 <empty slot>
004 <empty slot>
005 <empty slot>

No. Recipe name   Recipe date

001 RECIPE 1A 5/30/2007 11-16-2008
002 <empty slot>
003 <empty slot>
004 <empty slot>
005 <empty slot>

RECIPE PRINTING

A printed receipt indicates the date and time of the performed transaction. It will also list, in order, the weight of each ingredient and indicate the total weight of the recipe. This feature becomes particularly useful when a back-trail of the compounding transaction is required.


```
Date :      11 -21-2007   Time :          6:28 AM
I01:EXAMPLE 1A                        5.000      g
I02:EXAMPLE 2B                        7.000      g
I03:EXAMPLE 3C                        1.000      g
— — — — — — — — — — — — — — — — — — — —
TOTAL:                               13.000      g
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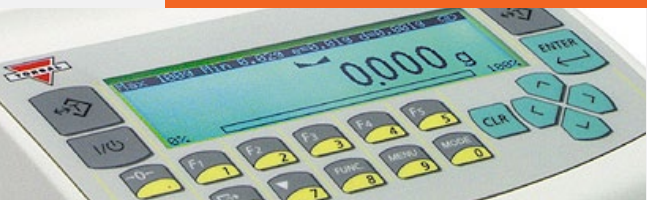
ONSCREEN INSTRUCTION

The large pixel type LCD display allows for graphics and full-text, onscreen instruction to be displayed to assist the user throughout the compounding function. When making a recipe or compounding, the scale guides the user through every step of the process, making compounding fast easy and accurate.

Other Functions

AUTO CALIBRATION

The state-of-the-art self-calibrating mechanism keeps the scale calibrated at all times, thereby providing optimum weighing accuracy. The scale will automatically calibrate itself at startup, pre-set time intervals or whenever required by temperature changes. The need for an external calibration weight is eliminated, while providing the user with confidence that measurements are accurate and correct.
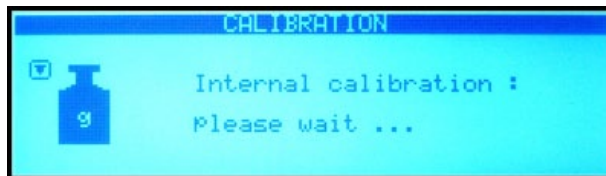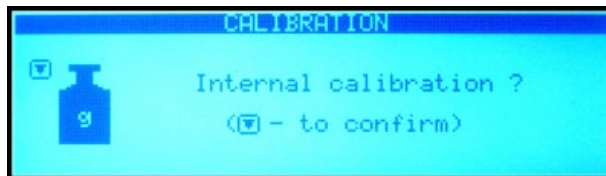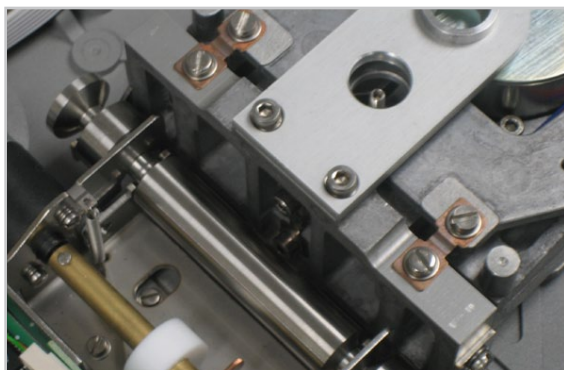
GRAPHICAL DISPLAY

The DRX 5 series scales are equipped with a Graphical LCD display which measures 134mm x 40.4mm (240 x 64 dots). The LCD displays full text and graphics which makes the scale user-friendly and intuitive.

S EALED K EYPAD

A sealed front panel protects the keypad from spills, dust, and wear and tear. An adequate number of keys, including numeric and navigation keys, eliminates key multiplexing and creates a user-friendly interface.

NAVIGATION KEYS

The scale's Navigation Keys allow the user to easily and intuitively operate through the scale's function menus and configuration procedures. Each operation is fast and can be completed within seconds. In addition, for the operator's convenience, the scale is equipped with dual TARE keys located on each side of the unit.

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TORBAL RX