Start up Guide

# NTEP A-Series Balance Series

#### **1. CONTENT**

#### Models: SAS-224.N | SAS-314.N



#### Models: SPS-213.N | SPS-363.N | SPS-1003.N



Models: SPS-2102.N | SPS-3502.N | SPS-4502.N



x 1







Foot

х З



Power adapter x 1

Balance

Weighing pan хĭ

Grounding foot x 1

#### 2. WORKROOM AND BASIC OPERATION GUIDELINES



Operate the device in a room where the temperature ranges between 10–40  $^{\circ}C$  (50–104  $^{\circ}F)$  and where the relative humidity is below 80%.

Place the balance on a solid surface to ensure stability. To obtain stable and repeatable weighing results, an anti-vibration table is recommended.



Place the balance away from heat sources. Avoid exposing the balance to the sunlight.



Avoid air drafts and air movements at the workstation.



Avoid exposing the balance to a magnetic field. Do not weigh magnetic substances.

Make sure that the balance is placed

on an even surface.





Do not place the balance on an unstable ground exposed to shocks and vibrations.

#### **3. UNPACKING**







Keep the packaging should a warranty claim or service be required.

# 4. ACTIVITIES TO BE DONE PRIOR TO OPERATION

#### 4.1. Remove transport lock

Models: SAS-224.N | SAS-314.N



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#### 4.2. Grounding spring check

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Check the grounding spring. Make sure that the grounding spring juts slightly out of the hole.

#### **5. COMPONENTS ASSEMBLY**

Models: SAS-224.N | SAS-314.N



Models: SPS-213.N | SPS-363.N | SPS-1003.N



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Models: SPS-2102.N | SPS-3502.N | SPS-4502.N



#### **6. PREPARING FOR WORK**

#### 6.1. Balance temperature stabilization time





Prior to switching the device on it is necessary to ensure that it has reached a temperature equal to room temperature.



Balance temperature stabilization time ranges between 1 - 8 hours.



Connect the power adapter to DC connector.



Connect the power adapter to the mains.





To level the balance, turn its feet and keep turning the feet until the air bubble takes the central position.

### 7. PANEL AND SCREEN

#### 7.1. Panel keys



7.2. Home screen



# 8. BASIC OPERATIONS

### 8.1. Adjustment



2 ON OFF MODE DATA BASE CAL SWITCH DFF סנ NOT SETUP UNCTIO € ( **+0**+ **≁**T**+** UNITS DELETE INSERT ESC

Wait for the adjustment completion.

## 8.2. Zeroing





The balance has been zeroed.

#### 8.3. Taring



When the weighing result has been displayed press "Tare" button.



The balance has been tared.

### 8.4. Working modes accessibility



#### 8.5. Selecting working mode



# The menu features the following working modes:

- Weighing
- Parts counting
- Checkweighing
- Dosing
- Deviations
- Density Determination of Solids
- Density Determination of Liquids
- Statistics
- Totalising
- Peak Hold
- Pipettes Calibration



Detailed overview of the settings of the working modes is to be found in balance's main user manual.

### 8.6. Weighing unit accessibility









#### In order to enable other working modes, repeat the steps: **4** and **5**.

#### 8.7. Weighing unit selection



# The balance enables selecting the following weighing units:

- Gram [g]\*
- Miligram [mg]\*
- Kilogram [kg]\*
- Carat [ct]\*
- Pound [lb]
- Ounce [oz]
- Troy ounce [ozt]
- Pennyweight [dwt]
- Hong Kong Tael [tlh]
- Singapore tael [tls]
- Taiwanese tael [tlt
- Chinese tael [tlc]
- Momme [mom]
- Grain [gr]
- Tical [ti]
- Newton [N]

\* Units available for verified balances exclusively

#### 9. SETTINGS



Some balance settings are accessible for Administrator exclusively. Prior balance parameters setup, log in as the Administrator.

#### 9.1. Administrator's login



You have logged in as the administrator.

#### 9.2. User settings











#### **10. PERIPHERAL DEVICES CONNECTORS**



# **11. DEVICE CLEANING**

#### **11.1. General Recommendations**



Prior to cleaning, it is necessary to disconnect the balance from the mains.



Use soft cloths made of microfiber, natural fiber or man-made fiber. Avoid using abrasive cloths or cloths that might scratch the surface. Apply the cleans Avoid applying the onto the device.



Apply the cleanser onto the cloth first. Avoid applying the cleanser directly onto the device.



Avoid using cleansers containing chlorine, corrosive chemicals and bleach. Do not use cleansers containing abrasive substances or scouring preparations.

#### 11.2. Glass components

Prior to cleaning the glass panes, it is necessary to disassemble them first. For detailed instruction on panes disassembly, refer to user manual.

Clean glass components using a solution of water and detergent (liquid soap, dish-washing detergent, glass cleaner, etc.). In case of heavy contamination, a mild solution of vinegar or baking soda can be used.

#### 11.3. Plastic components

Prior to cleaning the plastic housing, it is necessary to disassemble weighing pan components (cover, weighing pan, etc.).

Clean plastic components using a solution of water and detergent (liquid soap, dish-washing detergent, glass cleaner, etc.).

#### 11.4. Stainless steel components

# Prior to cleaning the stainless steel components, it is necessary to disassemble them first.

Clean stainless steel components using a solution of water and detergent (liquid soap, dish-washing detergent, glass cleaner, etc.). In case of heavy contamination, a mild solution of vinegar or baking soda. can be used.







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