

# nice Neotech Medical Systems Pvt. Ltd.

## nice 1000 – Baby Weighing Scale



### OPERATING/INSTALLATION MANUAL

This operating manual provides all the information necessary for the user to safely set up and operate this equipment. It is the responsibility of the user to follow the instructions and recommendations provided

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# User Responsibility / Operator Profile

This Product will perform in conformity with the description thereof contained in this operating manual and accompanying labels and/or inserts, when assembled, operated, maintained and repaired in accordance with the instructions provided. This Product must be checked periodically. A defective Product should not be used. Parts that are broken, missing, plainly worn, distorted or contaminated should be replaced immediately. Should such repair or replacement become necessary, nice Neotech recommends that a telephone or written request for service advice be made to the nearest dealer. This Product or any of its parts should not be repaired other than in accordance with written instructions provided by nice Neotech and by nice Neotech trained personnel. The user of this Product shall have the sole responsibility for any malfunction which results from improper use, faulty maintenance, improper repair, damage, or alteration by anyone other than nice Neotech.

**Warning:** Before using the nice Neotech weighing Machine, read this entire manual. This device should only be operated by personnel trained in its operation and under the direction of qualified medical personnel familiar with the benefits and risks of this type of device.

## Declaration for Languages

User Manual and label will be provided in the appropriate language to ensure that the user understands. Language validation will be done for the language of the user manual, Label, Corresponding documents, when nice Neotech Medical Systems Private Limited supplies to EU countries

## Model Descriptions:

The weighing machine comprises the model of

- nice-1000 - 2G (2 grams for model)
- nice 1000 - 5G (5 grams for model )
- nice 1000 -10G (10 grams for model )

## Section A: Warnings

**Warning:** Over load – If the weight of the load is above 20 Kg.













**Warning:** Ensure that the pan was placed properly in the top of the weigh scale on four poles else the weight may be incorrect or oscillate









**Warning:** Check the Bubble level indicator, Bubble should be in center else the weight may be incorrect

**Shock Hazard:** Unplug the power cord when not in use. Failure to do so could result in Personal injury or equipment damage.

**Shock Hazard:** Do not expose the unit to extensive moisture. Personal injury or equipment damage may occur.

## Section B: Symbols

Mark	Indication
	Caution
	Caution, electric shock
	Caution, ignition (Indicates possible ignition under certain condition)
	Warning
	Instruction
	Protective Earth (ground)
	On/OFF
	Tare Key
	Zero Key
	AC Indication
	Battery indication
	Battery charging indication

	<p>Low battery indication</p>
	<p>Hold</p>
	<p>Refer Instruction for use</p>
	<p>Serial Number</p>
	<p>Authorized Representative in European Community</p>
	<p>Date of Manufacture</p>
	<p>Manufacturer</p>
	<p>Model Number</p>

## Section 1: Description

### 1.1 Intended Use

### 1.2 General

#### 1.1 Intended Use

The Baby Weighing Machine is intended for use by personnel, trained in neonatal care to check the weight of the neonates.

#### 1.2 General

The nice Baby weighing scale machine provides an accurate weight of the neonates. It has the electro damping facility to give the exact weight of the baby.

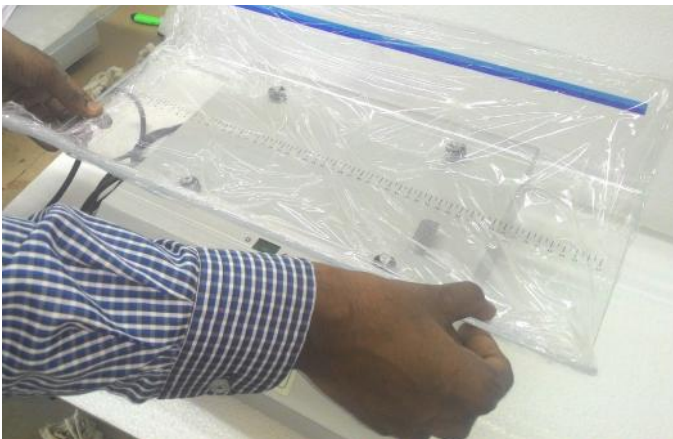
## Section 2: Installation

### 2.1 Installation Setup

#### 2.1 Installation Setup



**Bubble level indicator**



- Keep the weighing scale in the flat surface and check the bubble level indicator; bubble should be in the center
- Insert the pan bush exactly on the four poles on the top of the machine. (Improper fixing can cause the weight oscillation).

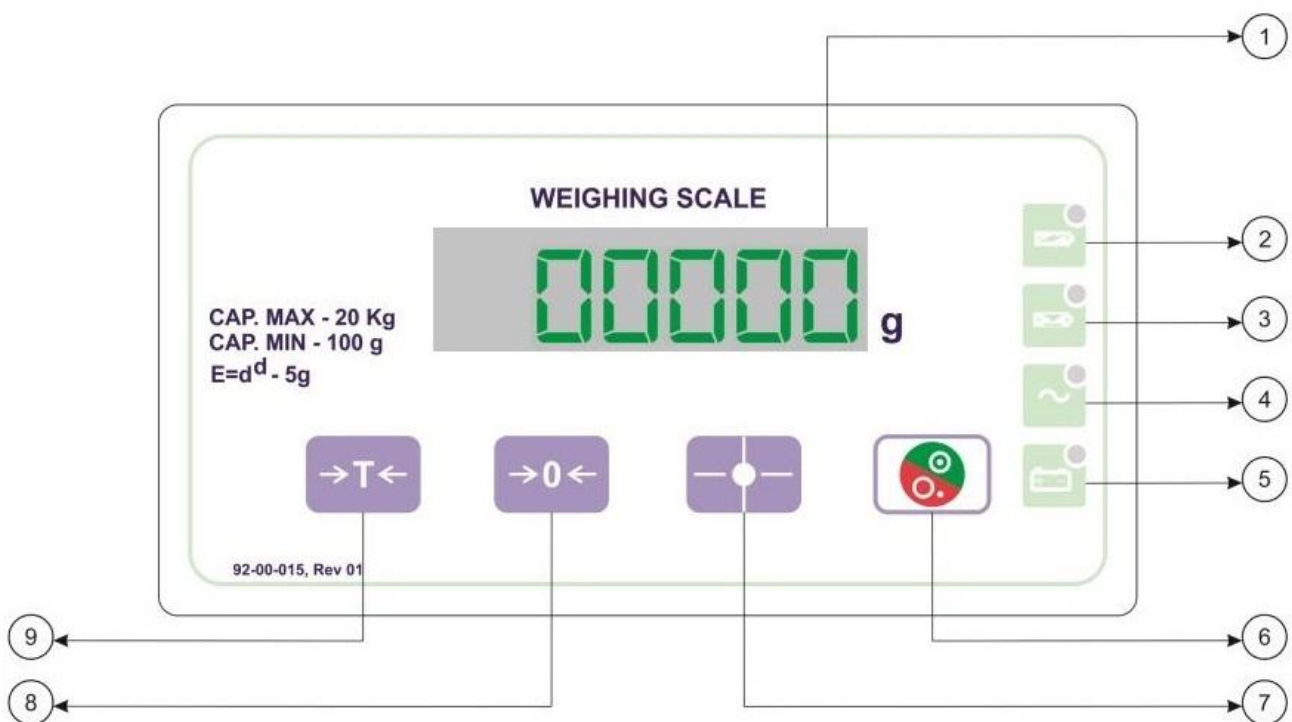


- If the bubble indicator level is not in the center, set the level by adjusting the knob by using the spanner 10/11 as on the image

### Section 3: Operation

- 3.1 Control Panel Operation.
- 3.2 Operating Modes.
- 3.3 Calibration procedure.

#### 3.1 Control Panel Operation:



## Front Panel Buttons

1	Display	6	ON/OFF
2	Battery charging indication	7	Hold
3	Battery low indication	8	Zero
4	AC Indication	9	Tare
5	Battery DC indication		

## 3.2 Operating Modes

**On/Off** - Press the On/Off button to switch ON the device, press the On/Off button & hold for 2-3 seconds to switch OFF the device (To convert grams to pound press the On/Off button once)

**Hold** - Hold button can be used to hold the weighed value for 60 sec.

**Zero** - zero button can be use to set the initial value.

**Tare** - Tare used to find the actual weight, by subtracting it from the gross weight.

**Charging indication (If Applicable)** - When the Main power supply is ON, It shows the battery charging indication.

**Battery low indication (If Applicable)** - When the battery voltage is < 7 V, It shows the low battery indication. AC input indication, when the Main power supply is ON; it shows the AC input indication.

**Battery mode indication (If Applicable)** - When the main power supply is OFF, It shows the battery mode indication and if any load is not given within 5 minutes, Display will turn OFF.

**Auto shut down**- If the machine is not used for more than 5 minutes the machine will automatically turn off.

### Auto freeze -

#### Conditions

- If the weight is more than 500 grams.
- The weight maintained for 4 sec.
- Load should be changed after 4 sec.

Result - The display will freeze the current weight for 30 sec.

## 3.3 Calibration procedure (Note: Only calibrated by the service professionals)

### 1. Calibration mode entry

- Press both ON/OFF Key and TARE key.
- It will show "**CAL**" in the display.
- After 3 seconds, segment testing will take place.

### 2. Decimal point setting

- Machine will indicate as "**dp-01**"
- We can select decimal point rating by using zero key (01,02,05 & 10)
- By using TARE Key, we can move to Over load setting

### 3. Over load setting

- Machine will indicate as "**Ov Ld**" for 3 seconds.
- We can select over load rating by using zero key

(5000 g, 10000 g, 15000 g, 20000 g.)

- By using TARE key , we can move to No load setting

#### 4. No load setting

- Machine will indicate as “**nO Ld**”
- Machine should be stable for at least 3 seconds **without any load**
- By using TARE key, we can move to Add load setting.

#### 5. Add load setting

- Machine will indicate as “**Ad Ld**”
- We can select add load rating by using zero key (5000 g or 10000 g)
- Machine should be stable for at least 3 seconds with the particular load.
- By using TARE key, we can move end

#### 6. Calculate & store setting

- Machine will indicate as “**End**”
- By pressing zero key will store the CAL setting

#### Note:

- Switch OFF the machine and press ON/OFF key for normal operation OR the machine will automatically OFF after 5 minutes.
- More than 5 minutes without any changes in the calibration mode will automatically shutdown the machine.

## Section 4: Cleaning and Maintenance

### 4.1 General

- This Section Provides Cleaning and Maintenance Instructions. Where necessary, disassembly instructions are provided.

### 4.2 Cleaning

- It is recommended that when an infant is discharged, or at least once a week, to thoroughly clean and disinfect the Machine. The most effective way to clean is to first disassemble in categories according to the method of cleaning required.

**Caution:** Periodically clean and disinfect the weighing machine to prevent cross infection

#### 4.2.1 Cleaning Agents

Use an Adopter or Quaternary Disinfectant Registered by the Environment Protection Agency, Cleansers such as Kleenaseptic®\* Germicidal Surface Cleanser may be used. When using any cleaning agent, follow the manufacturer's directions for use. After removing all solid wastes and contaminants from the disassembled parts clean them.

### 4.3 Life time of product

Since the product is classified under programmable medical electrical system and incase of unavailability of microcontroller the life time of the product can be considered as minimum five years.

## Section 5: Specification

Capacity	:	20 Kgs
Resolution	:	2 grams- for model nice 1000-2G
		5 grams- for model nice 1000-5G
		10 grams – for model nice 1000-10G
Accuracy	:	± 2 grams- for model nice 1000-2G
		± 5 grams- for model nice 1000-5G
		± 10 grams – for model nice 1000-10G
Hold function	:	Allows a steady weight to be displayed despite movement of the child
Built –in-infantometer	:	0 to 520 mm
Baby pan size	:	55cm (L) x 33cm (W) x 8.5cm (H)
Tare facility	:	Allows weighing the baby using a blanket
Electronic damping		
Facility	:	Eliminates the reading fluctuations.
Dimensions	:	35cm (L) x 35cm (W) x 11.5cm (H)
Weight	:	7.600Kgs

### IEC 60601-1 Specifications

Type of Protection against electric Shock	:	Class 1
Degree of Protection against electric Shock	:	No applied part
Mode of Operation	:	Continuous
Protection against hazardous of explosion	:	Not protected
Protection against increase of liquid	:	Not protected
Product Classification	:	Class I

### Environment

Operating Temperature	:	10°C to 35°C
Operating Relative Humidity	:	15 – 90% RH, non condensing
Storage Ambient Temperature	:	-20°C to 60°C
Storage Relative Humidity	:	0% - 90% RH, non-condensing
Altitude	:	Sea level to 1.9 miles (3 Kms)

### Physical Dimensions

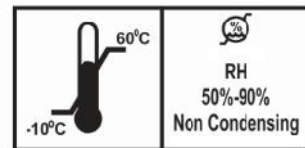
Overall width	:	33cm
Overall height	:	20cm
Overall length	:	55cm
Weight with pan	:	8.780 Kgs

### Packing and Handling Instructions:



nice Neotech Medical Systems Pvt Ltd  
No 85, Krishna Industrial Estate  
Vannagaram, Mettukuppam  
Chennai - 600095, INDIA

**HANDLE WITH CARE**  
**LIFE SAVING MEDICAL EQUIPMENT**



## **Section 6: Warranty**

### **6.1 Conditions**

1. The warranty is confined to the first purchaser of the product only and is not transferrable.
2. Repairs under warranty period shall be carried out by the company authorized personnel only
3. In the event of repairs of any part/s of the unit, this warranty will thereafter continue and remain in force only for the unexpired period of the warranty. The time taken for repair and in transit whether under the warranty or otherwise shall not be excluded from the warranty period.
4. In case of any damage to the product/misuse detected by the Authorized service personnel the warranty conditions are not applicable and repairs will be done subject to availability of parts and on a chargeable basis only
5. Wear and Tear, and defects caused by manipulation or unsuitable treatment are not included under the warranty.
6. Battery carries only 3 months warranty.
7. We warranty this unit for 12 months from the date of Installation. Warranty includes the repair and replacement of faulty components.
8. Defects caused by improper use, and defects due to causes beyond control like lightning, abnormal voltage, acts of god, and also defects caused by rats, cockroaches or any other insects will not be covered under warranty.
9. Warranty is not applicable if the equipment is not purchased from Neotech/authorized Neotech Dealer
10. Warranty is not applicable if the warranty card is not filled and sent back to Neotech.
11. Equipment has an expected shelf life of 5 years and service life of 6 years.

**Customer Details cum Warranty Card**

Date: \_\_\_\_\_

Hospital Name & Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Person & Telephone/Fax No \_\_\_\_\_

Email \_\_\_\_\_

Department: NICU / PICU / OT / Gynecology / Causality / Others \_\_\_\_\_

Equipment Name: \_\_\_\_\_

Model No: \_\_\_\_\_ Sl. No. \_\_\_\_\_

Date of Purchase: \_\_\_\_\_ Date of Installation \_\_\_\_\_

Name of Authorized Dealer: \_\_\_\_\_

Customer Signature & Date

Dealer Signature with seal  
(I accept the terms & conditions of Warranty)

-----  
Kindly fill the above and send the same

From \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To:  
The Service In-charge  
nice Neotech Medical Systems Pvt. Ltd.  
No, 85. Krishna Industrial Estate,  
Vannagaram, Mettukuppam,  
Chennai-600095. Tamil Nadu, INDIA  
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Email: [service@niceneotech.com](mailto:service@niceneotech.com), [info@niceneotech.com](mailto:info@niceneotech.com)  
Web: [www.niceneotech.com](http://www.niceneotech.com)  
Toll Free No. 1800-425-2594 (India only)

## Section 7: Trouble Shooting

7.1 General System Failure

7.2 Maintenance Intervals

7.3 Disposing of the Unit

### 7.1 General System Failure

Sl. No.	Problems	Possible Causes and Remedy
1	No Display on the Control Panel	Check A/C Supply Voltage
		Check if Power Cord is disconnected
		Check Fuse in the left side
		Otherwise, Contact nice Neotech
2	Weight Error	Check whether the pan is fixed properly in the machine
		Check the pan if any damages in the 4 knob
		Otherwise, Contact nice Neotech
3	Bubble indicator not in the center	Check the table where the machine is placed; Ensure that the table has no movements.
		Adjust the knob at down of the machine by using the 10 / 11 spanner.
		Otherwise, Contact nice Neotech

### 7.2 Maintenance Intervals:

- Always disinfect and clean the unit and accessories before any maintenance – even when returning the unit to the supplier for repair.
- Always disconnect power supply before any maintenance.
- Use only nice Neotech's original parts for maintenance.

**Warning:** Periodically check the insulation and the connection of the cable it may cause fire because of poor insulation and short circuits due to aging.

**Warning:** Don't misalign the EMI Shielding and the beads it may cause the EMI interference to the equipment.

- **Access Panel:** To visually inspect the panels every day, whether it is properly fixed or breakages or lose.

### Measurements Specific to units:

- **Inspection & Maintenance:** Yearly by trained Service Personnel.

### 7.3 Disposing of the Unit

- At the end of its Service life Dispose of the equipment in accordance with National waste Disposal Regulation or ask a suitable Disposal contractor to dispose of the unit. The local Environmental agency can supply further details.

**Caution: Use of nonstandard components:** Consult the manufacturer for repair and replacement of components. Use of incorrect component can adversely affect Safety, performance and/or damage the equipment performance

### Section 8 Spare Parts List

Sl. No.	Part No.	Part Name	Qty	UOM
1.	10-05-007	PCB Control Assembly	1	No
2.	96-00-004	Weigh scale pan	1	No
3.	91-00-023	Fuse holder 5A small close	1	No
4.	91-00-014	Connector PG 7	1	No
5.	91-00-001	Switch MRS -101 SPST	1	No
6.	99-00-388	Weighing scale pan Bush Holder	1	No
7.	91-00-147	Transformer R5 12V , 0.5A	1	No
8.	89-16-007	5A small Fuse	1	No

#### Service contact:

##### **nice Neotech Medical Systems Pvt. Ltd.**

85. Krishna Industrial Estate, Vannagaram,  
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[www.cemark.info/mdd/niceneotech.html](http://www.cemark.info/mdd/niceneotech.html)

#### EU Authorised Representative

CMC Medical Devices

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Mr. Manuel Mateos

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Fax: +34952330100

[mmateos@cmcmmedicaldevices.com](mailto:mmateos@cmcmmedicaldevices.com)

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**Section 9: Feedback and complaint Form:**

**For Complaints/Comments/Suggestions or Feedbacks**

Date: \_\_\_\_\_

Hospital Name & Address: \_\_\_\_\_

\_\_\_\_\_

Contact Person & Telephone/Fax No \_\_\_\_\_

Email \_\_\_\_\_

Department: NICU / PICU / OT / Gynecology / Causality / Others \_\_\_\_\_

Equipment Name: \_\_\_\_\_

Model No: \_\_\_\_\_ Sl. No. \_\_\_\_\_

Date of Purchase: \_\_\_\_\_ Date of Installation \_\_\_\_\_

Complaints \_\_\_\_\_

\_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

Suggestions: \_\_\_\_\_

\_\_\_\_\_

Feed back: \_\_\_\_\_

\_\_\_\_\_

-----  
Kindly fill the above and send the same

From:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

To:

The Marketing In-charge  
nice Neotech Medical Systems Pvt. Ltd.  
No, 85. Krishna Industrial Estate,  
Vannagaram, Mettukuppam,  
Chennai-600095. Tamil Nadu,  
INDIA.

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Email: [marketing@niceneotech.com](mailto:marketing@niceneotech.com)

Toll Free No. 1800-425-2594 (India only)