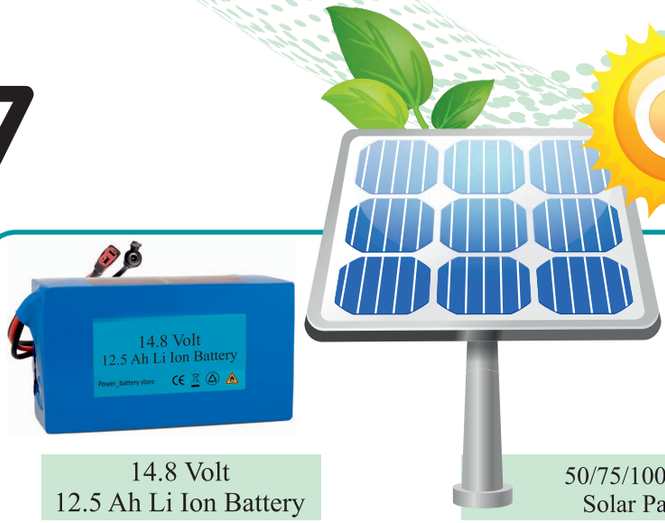
# Nuline®

## SOLAR GREEN BOND i7


14.8 Volt
12.5 Ah Li Ion Battery

50/75/100 watt
Solar Panel

Battery Backup Time : Up to 8 hours

### ULTRASONIC STIRRER

Ultrasonic Stirrer having adjustable time & vibration frequency

Input Frequency : 45Hz to 60 Hz

Timer 5 to 30 sec adjustable on TFT Screen

### DATA PROCESSING UNIT

**Memory:** 8 GB **SPEED:** 220 Mhz

**PROCESSOR:** 32 Bit ARM Cortex M7

### INTERFACES

**INPUT:** RJ-45-1 Weighing Scale, USB Keyboard

**OUTPUT:** RJ-45-2 Remote Display Unit/Serial Printer, USB Data Import & Export to Pen Drive/Server.

### GENERAL

**Dimensions:** 400mm x 130mm x 350mm

**Weight:** 6.720 Kg. Approx.

Power Consumption: 12 Volt DC 40 Watt Max.

**Power Supply:** 12 Volt DC

## Salient Features

- Milk Analyser, Ultrasonic Stirrer & Data Processing Unit in One Unit
- Dual Display 7inch Colorful TFT Screen & 4 Line LCD Display
- Battery (DC) Voltage Display on TFT Screen
- 32bit ARM Microcontroller based embedded design
- Simple, easy to use, economical
- Built in secure calibration procedure
- No Acid or other chemical required • Easy to clean
- Easy to cleam
- Fast & Accurate
- Measurement Time-30-40 second
- In built thermal printer
- Interface with USB Keyboard
- Stainless Steel Milk probe horn
- Stainless Steel 304 cabinet
- Developed for indian electricity & Weather condition
- Built in reports
  - Shift summary
  - Member Report
  - Payment Report
  - Duplicate Slip
- Rate Chart download manually/pendrive/server.
- Rate format based on TS (Total Solids) & Fat-SNF rate chart
- (encrypted Excel Format)
- Any weighing scale can be interface in DPU
- Auto Tare (Zero) after the farmer slip printing and data storage automatically
- Import & Export of data to USB drive/Server (GPRS Facilities)

"Condition Apply

## Technical Specifications

| Parameter | Range | Resolution | Accuracy | Parameter | Range |
|---|---|---|---|---|---|
| Fat | 0 ~ 15% | 0.01% | ±0.10% | Sample Volume | 20 ml |
| SNF | 0 ~ 12% | 0.01% | ±0.20% | Power Consumption | 30 Watt |
| CLR | 0 ~ 40% | 0.1 | ±0.50 | Ambient Air Temperature | 15°C to 50°C |
| Added Water | 0 - 100% | 1.0% | ±0.30% | Ports | RS 232 Serial / Printer |
| Repeatability | ± 0.05% | | | Relative Humidity | 30% to 80% |
| Accuracy* | ± 0.10% | | | Milk Temperature | 5°C to 40°C |

***When Compared with Reference methods under standard Test Conditions.**