



GALAXY 103 Terminal



Overview

Move beyond traditional transaction and check weighing applications. Develop true total control with the GALAXY 103 Terminal. An advanced database for managing product code, name, tare, target values etc, plus tens of thousands of weighing records which can then be easily exported into higher level applications via Microsoft Excel format, this is the core of an advanced terminal that has the flexibility needed to integrate into a broad variety of ERP.

“CLICK IT!” With the standard computer keyboard, the operation of the GALAXY 103 Terminal is simple and very reliable even in industrial environments. The GALAXY 103 Terminal also sets new standards in highly complex weighing processes. It provides the perfect connection between PC and scale with powerful and reliable industrial quality – the perfect industrial weighing solution for all sectors.

GALAXY 103 Terminal is easy-to-use equipment with an easy menu which helps enhance production. The GALAXY 103 Terminal can be used everywhere. In modern industrial systems, instruments are required such that they optimally fulfil their intended purpose. If processes change, weighing equipment must also adapt. The GALAXY 103 Terminal has just that adaptability and offers the necessary flexibility. GALAXY 103 Terminal can be mounted on a table, on the wall or can be free standing on the floor.

GALAXY 103 Terminal offers the following advantages:

- Uncomplicated, fast operation:
 - Self-explanatory and visually appealing icons
 - Optimized, simple operator guidance
 - Only relevant information is displayed
- Flexible use:
 - User-dependent, intuitive software structure
 - Customer-specific adaptations through free programmability
 - Freely configurable soft keys
- Perfect readability:
 - Especially large display option for weight values
 - Simultaneous display of Target Weight, Lower Limit and Higher Limit
 - Different status messages can be viewed concurrently

Software Features

- Tare function.
- Check weighing function.
- Check counting function.
- Piece counting function.
- User selectable display update speed.
- User selectable auto tare and tare clear with selectable time.
- User selectable power on zero.
- User selectable peak hold and progressive peak hold.
- User editable auto sleep time up-to 99 seconds.
- User editable zero locking counts up-to 99.
- User editable zero tracking counts up-to 99.
- User selectable 3 stability conditions.
- Open RS232 data output format user definable.
- User selectable baud rate.
- Multiple data transmission modes useful for different application.
- Thermal printer 32 and 40 column.
- Dot matrix printer 40 and 80 column.
- Label printer of 56 mm printing width.
- Password protected system parameter settings.
- PLU and weighment transactions data transfer in excel format via USB flash disk.
- User editable liter factor value.
- Bar graph with selection between available and used capacity.

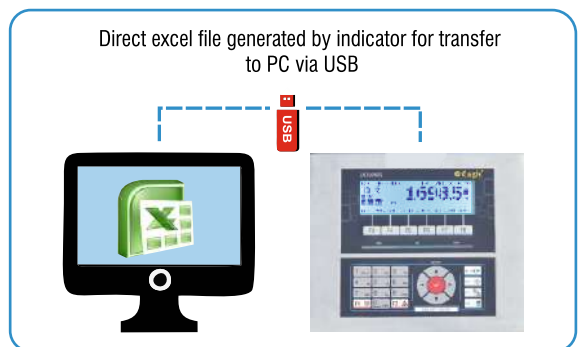
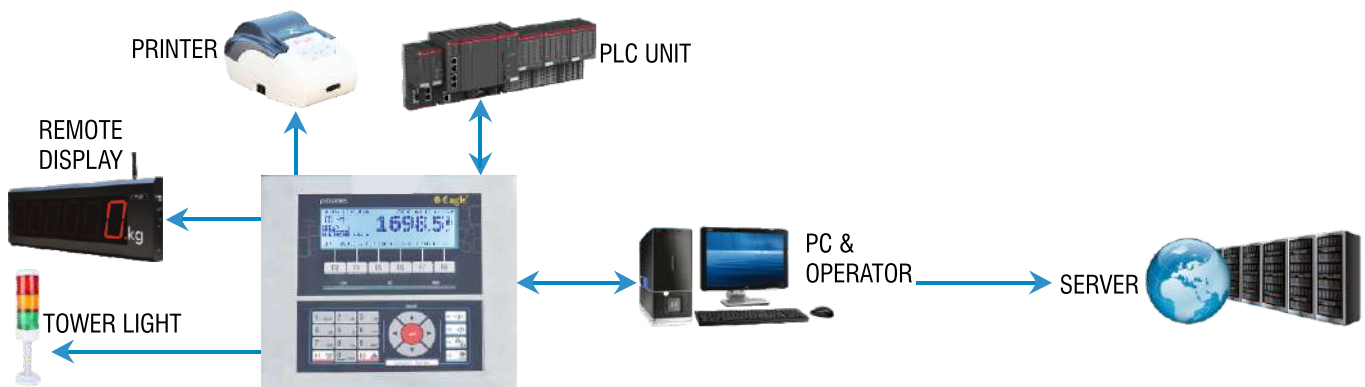
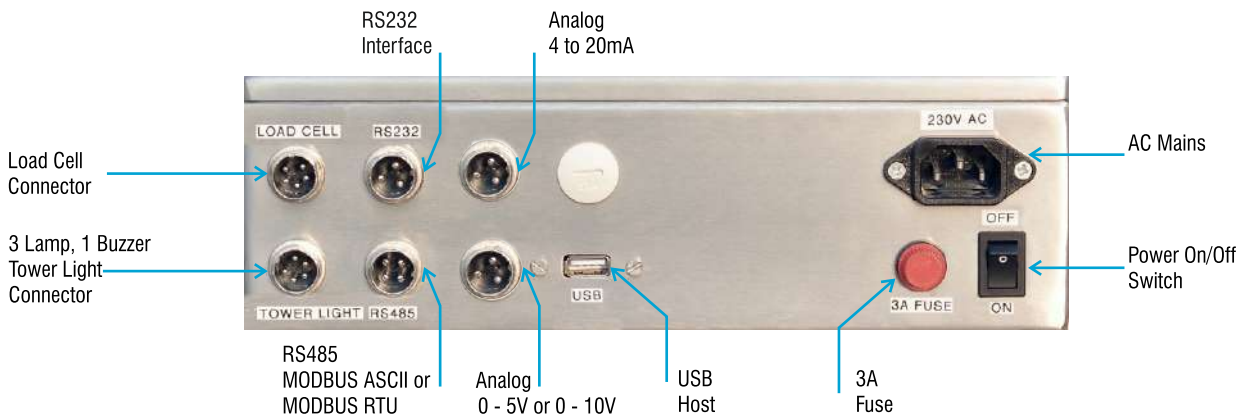
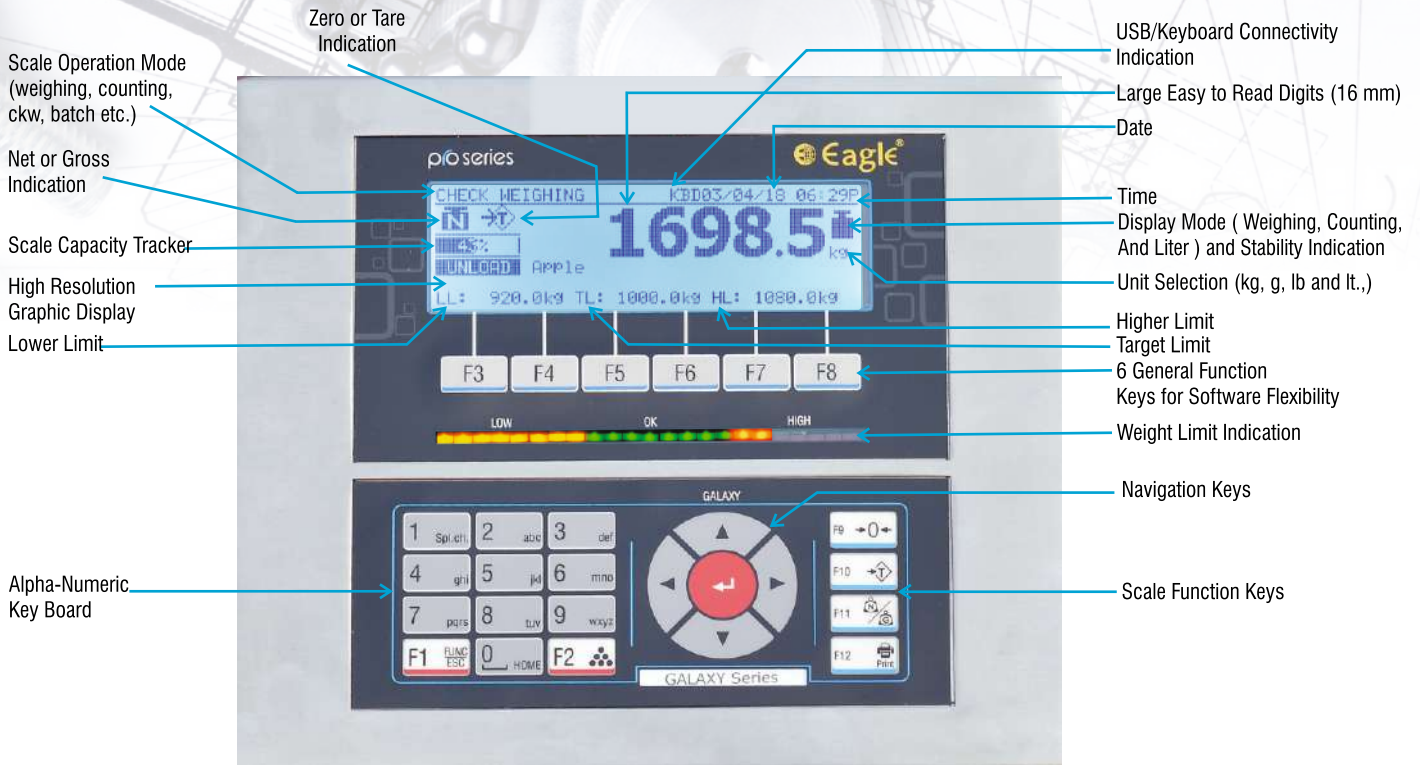
Hardware Features

- 32 bit ARM controller
- Graphic display of 240 x 64 pixels with moon white backlight. (7 color selectable backlight - Q3 of 2018)
- Inbuilt 8 Gb micro SD card.
- 24 bit delta sigma ADC.
- RS232 interface - thermal/label/dot matrix/barcode/PC communication
- RS485 - MODBUS ASCII or MODBUS RTU
- USB 2.0 - keyboard or USB flash disk.
- On board RTC
- Buzzer indication.
- 21 color coded and sealed keypad.
- 3 color equalizer bar for check weighing and check counting indication.
- Inbuilt SMPS 7V 3A.
- Wall, desktop and free stand mounting indicator

Factory Options

- 1) 3 color tower light with buzzer.
- 2) Five potential free contact relays.
- 3) Analog output 0 - 5V or 0 - 10V and 4 - 20mA
- 4) Ethernet connectivity - Q3 of 2018

GALAXY 103 Terminal



Technical Specification

Model	GALAXY 103 Terminal
Description	System indicator for check weighing/counting, batching and many other industrial applications
Enclosure Material of construction	SS304
Protection	IP - 65
Controller	ARM® 32-bit Cortex®-M3 CPU Core
Graphic display	240 x 64 pixels
ADC	24 bit delta sigma ADC
Internal resolution	4194303
Number of load cell	At a time 12 Load cells of 350ohm or 24 load cells of 750ohm can be connected.
USB	Keyboard connection or Flash disk data transfer
Micro SD	Storage up to 32Gb (standard 8Gb supplied)
RS232	1no. (printer – thermal/label/dot matrix/barcode/pc communication)
RS485	ASCII or MODBUS RTU (optional)
Analog	0 - 5V or 0 - 10V and 4 - 20mA
Keys	21 color coded sealed keypad
Stabilisation time	< 3s
Power supply	110V to 250V (AC) ±10 %
Frequency	50~60 hz
Power consumption	Approx 10 watt
Operating temp.	5°C to 45°C
Operating humidity	95% RH max (non-condensing)
Over-load Indication	100% of scale capacity +9e
Mounting	Wall mounting / desktop mounting Floor mounting.
Weight	Weight approx - 2.5 kg.
Dimension	455 x 265 x 220 mm

PLU Specification

PLU parameter setting	Description
PLU Number	9999 PLU storage capability
PLU Code	15 characters alpha numeric(unique)
PLU Name	30 characters alpha numeric
PLU Type	Weighing or counting type
Tare Weight	Auto or manual tare weight input
Target Limit	Target limit based on PLU weight or count
Lower Limit	Lower limit based on PLU weight or count
Higher Limit	Higher limit based on PLU weight or count
Unique Weight	Sampling 1 to 9999 pieces or manual unit weight entry
Buzzer Type	Buzzer indication for in, out, sequential or buzzer off
Weight Log Condition	Auto or manual weight log
PLU Remark 1	30 characters alpha numeric
PLU Remark 2	30 characters alpha numeric
Start Limit Value	Start limit for check weighing or counting
Reset Limit Value	Reset limit for next weight log

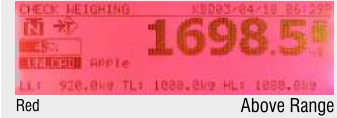
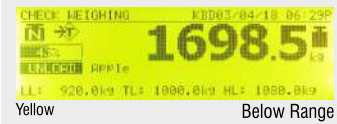
*Note: Additional fields can be added for specific user application consult factory.

Scale Display Backlight Selections

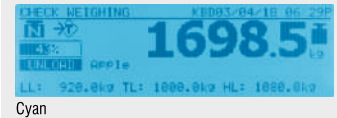
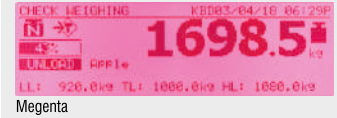
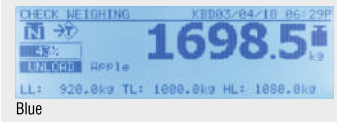
Default Weight



CheckWeight



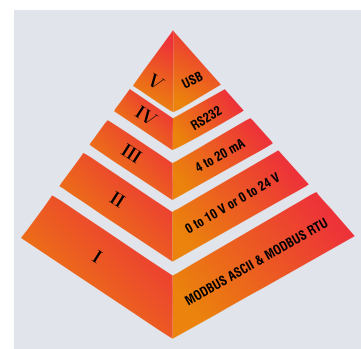
Other Options



External Peripheral Interfacing



Communication Interfaces



SAMPLE PRINTOUTS

Simple Weighing Slip

EAGLE SCALE
INNOVATION CENTER
PUNE - 411 001

Ticket No.: A931
Date : 18/04/18 WED
Time : 04:45:34 PM
Scale Name: CANNONBALL V1
Tare Weight : 2.0kg
Nett Weight : 500.0kg
Gross Weight : 502.0kg
Counts : 0pcs

THANK YOU FOR YOU BUSINESS
HAPPY EASTER
WEIGHED ON EAGLE SCALE

*Note: User programmable print permission for each data field.

Simple Counting Slip

EAGLE SCALE
INNOVATION CENTER
PUNE - 411 001

Ticket No.: A932
Date : 18/04/18 WED
Time : 04:46:43 PM
Scale Name: CANNONBALL V1
Tare Weight : 2.5kg
Nett Weight : 500.0kg
Gross Weight : 502.5kg
Unit Weight : 1.0kg
Counts : 50pcs

THANK YOU FOR YOU BUSINESS
HAPPY EASTER
WEIGHED ON EAGLE SCALE

*Note: User programmable print permission for each data field.

Check Weighing Slip

EAGLE SCALE
INNOVATION CENTER
PUNE - 411 001

Ticket No.: A933
Date : 18/04/18 WED
Time : 04:47:16 PM
Scale Name: CANNONBALL V1
PLU Number: 1
PLU Name : ABC123
PLU Code : CODE001
PLU Unit Weight: 125.0kg
PLU Tare Weight: 1.0kg
Target Limit : 1000.0kg
Low Limit : 990.0kg
High Limit : 1010.0kg
Weight Log Condition: Auto Log
PLU Remark 1 : EAGLE
PLU Remark 2 : PUNE
Tare Weight : 1.0kg
Nett Weight : 1000.0kg
Gross Weight : 1001.0kg
Counts : 8 pcs
Status : Accepted Range

THANK YOU FOR YOU BUSINESS
HAPPY EASTER
WEIGHED ON EAGLE SCALE

*Note: User programmable print permission for each data field.

Batch Weighing Slip 80 Column

EAGLE SCALE
INNOVATION CENTER
PUNE - 411 001

Batch Number : BATCH55544 Batch Name : SECOND SHIFT
Operator Name: KEDAR GORANALE PLU Number: 1
PLU Name : ABC123 PLU Code : CODE001
PLU Unit Weight: 125.0kg PLU Tare Weight: 1.0kg
Target Limit : 1000.0kg Low Limit : 990.0kg
High Limit : 1010.0kg Weight Log Condition: Auto Log
PLU Remark 1 : EAGLE PLU Remark 2 : PUNE
Scale Name: CANNONBALL V1
Start Date : 18/04/18 WED Start Time : 04:49:41 PM

SR. NO.	TARE (kg)	NET (kg)	GROSS (kg)	PIECES	LOG DATE	LOG TIME	LOG STATUS
1	1.0	1000.0	1001.0	8	18/04/18 WED	04:49:41 PM	ACCEPT
2	1.0	700.0	701.0	6	18/04/18 WED	04:54:37 PM	REJECT LOW
3	1.0	1000.0	1001.0	8	18/04/18 WED	04:56:41 PM	ACCEPT
4	1.0	1200.0	1201.0	10	18/04/18 WED	04:57:44 PM	REJECT HIGH
5	1.0	1000.5	1001.5	8	18/04/18 WED	05:00:40 PM	ACCEPT

----- ACCEPTED LOG DETAILS -----
Total Weighments: 3
Total Tare Wt. : 3.0kg
Total Net Wt. : 3000.5kg
Total Gross Wt. : 3003.5kg
Total Pieces : 24pcs
Batch Remark 1 : REMARK 1 DATA
End Date : 18/04/18 WED

----- REJECTED LOG DETAILS -----
Total Rejected : 2
Total Tare Wt. : 2.0kg
Total Net Wt. : 1900.0kg
Total Gross Wt. : 1903.0kg
Total Pieces : 16pcs
Batch Remark 2 : REMARK 2 DATA
End Time : 04:50:32 PM

THANK YOU FOR YOU BUSINESS
HAPPY EASTER
WEIGHED ON EAGLE SCALE

*Note: User programmable print permission for each data field.

Batch Weighing Slip 32 Column

EAGLE SCALE
INNOVATION CENTER
PUNE - 411 001

Batch Number : BATCH55544
Batch Name : SECOND SHIFT
Operator Name: KEDAR GORANALE
PLU Number: 1
PLU Name : ABC123
PLU Code : CODE001
PLU Unit Weight: 125.0kg
PLU Tare Weight: 1.0kg
Target Limit : 1000.0kg
Low Limit : 990.0kg
High Limit : 1010.0kg
Weight Log Condition: Auto Log
PLU Remark 1 : EAGLE
PLU Remark 2 : PUNE
Scale Name: CANNONBALL V1
Start Date : 18/04/18 WED
Start Time : 04:49:41 PM
SN TW(kg) NW(kg) GW(kg) PCS

1	1.0	1000.0	1001.0	8
2	1.0	700.0	701.0	6
3	1.0	1000.0	1001.0	8
4	1.0	1200.0	1201.0	10
5	1.0	1000.5	1001.5	8


----- ACCEPTED LOG DETAILS -----
Total Weighments: 3
Total Tare Wt. : 3.0kg
Total Net Wt. : 3000.5kg
Total Gross Wt. : 3003.5kg
Total Pieces : 24pcs
----- REJECTED LOG DETAILS -----
Total Rejected : 2
Total Tare Wt. : 2.0kg
Total Net Wt. : 1900.0kg
Total Gross Wt. : 1903.0kg
Total Pieces : 16pcs
Batch Remark 1 : REMARK 1 DATA
Batch Remark 2 : REMARK 2 DATA
End Date : 18/04/18 WED
End Time : 04:50:32 PM

THANK YOU FOR YOU BUSINESS
HAPPY EASTER
WEIGHED ON EAGLE SCALE

*Note: User programmable print permission for each data field.

Label From Barcode Printer

E. G. KANTAWALLA PVT. LIMITED
Name: HEX BOLT
Part No.: 90DF75986G
PLU No.: 1 Pieces: 150 PCS
Tare wt. Net wt. Gross wt.
0.120 kg 1.000 kg 1.120 kg



HEX BOLT90DF75986G001000
Packing Date Packing Time
18/04/2018 WED 03:44:00 PM

*Note: User designable label format

GALAXY 103 Terminal

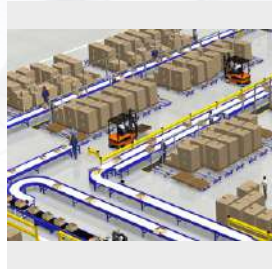
Typical Applications



Textile Industry



Automobile Industry



Transport Industry



General Manufacturing



Pharma Industry



Chemical Industry



Agricultural Industry



Food Processing Industrial

Range

Division		Capacity										
		50 kg	60 kg	100 kg	200 kg	300 kg	500 kg	600 kg	750 kg	1200 kg	1500 kg	2000 kg
Model No	Platform Size (mm)											
GALAXY103	300 X 300	5 g	10 g									
GALAXY103	400 x 400		5 g	10 g								
GALAXY103	500 x 500				20 g	50 g						
GALAXY103	600 x 600				20 g	50 g	50 g	100 g				
GALAXY103	750 x 750							100 g	100 g	200 g		
GALAXY103	1000 x 1000								100 g	200 g	200 g	500 g

Material of Frame	Mild Steel Or Stainless Steel As Required
Material of Pan	
Weight Sensor	

Custom Sizes, Capacities And Different Or Specific Types Of Platforms Available - Consult Factory



*Models and the specification are subject to change without any prior notification.
 *For non standard equipment consult factory.

Name and Address of Dealer:
DEEPAK ELECTRONICS
 Address - Near Railway Station, Sadhrana road
 Garhi Harsaru, Gurgaon
 Haryana - 122505
 Mob - 9718298952, 9212559709, 9717099170