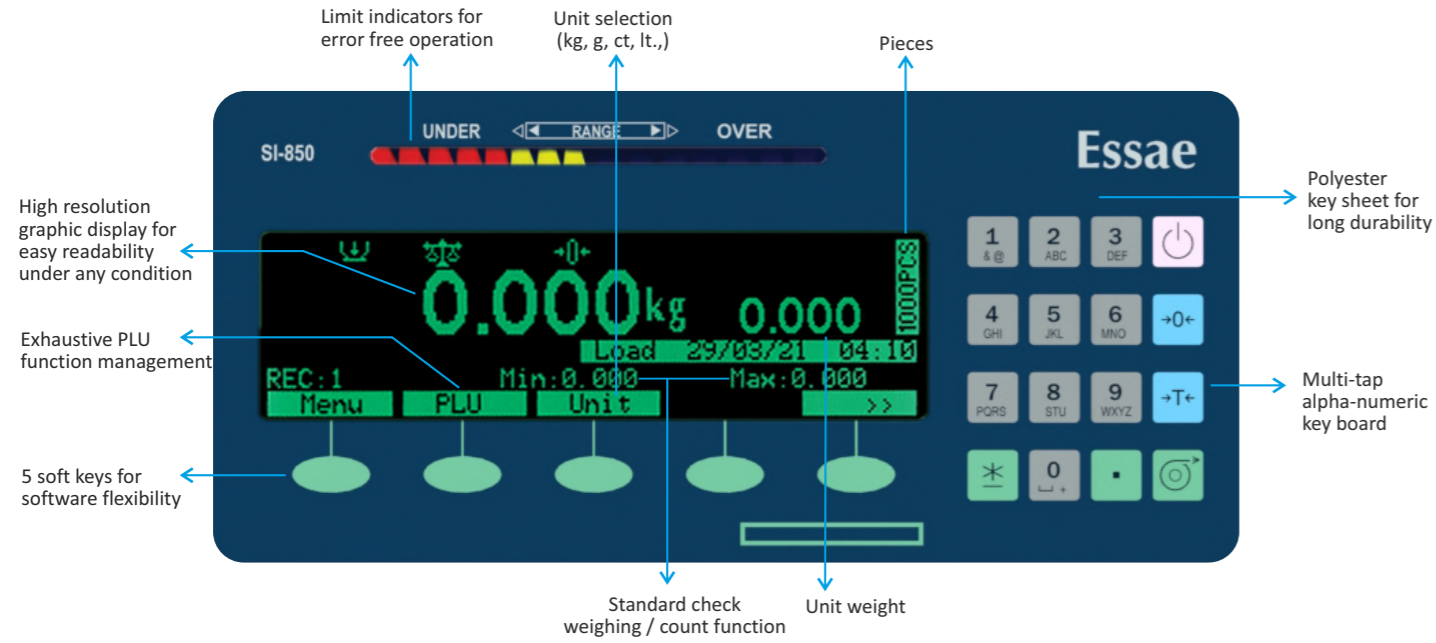


**Salient Value**

- 32-bit ARM processor and 24-bit precision delta-sigma ADC
- Selectable filter and stability settings for any weighing application
- Automatic self-diagnostic function for easy trouble shooting
- Cloning the scale configuration and data for faster and reliable replacement
- Wide variety of configurable printing formats and reports
- Secure access control through passwords
- External scale/balance interface
- Windows 10-based PC application software
- Compatible ERP scale server
- User-friendly interactive menu



Form No. : 25537-CAT-SI-850-076 R05

**SI-850**  
Weighing System



**Essae-Teraoka Pvt. Ltd.**

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Your Essae representative

Comprehensive System Solution for a wide range of Weighing needs



## Technical Specification

Table top



### Table Top

Capacity (kg)	Accuracy (g)	Platform size(mm)	Loadcell	Framework	Platter
1.5/3/6/15	0.1/0.2/0.5/1	205 x 250	Aluminum	SS-304	SS-304

### Single loadcell bench scale

Capacity (kg)	Accuracy (g)	Platform size(mm)	Loadcell	Framework	Platter
3/6/15/30	0.2/0.5/1/2	360 x 280	Aluminum	SS-304	SS-304
6/15/30	0.5/1/2	360 x 280	Tool Steel-IP67		
6/15/30	0.5/1/2	400 x 400			SS-304

### Single loadcell platform scale

Capacity (kg)	Accuracy (g)	Platform size (mm)	Loadcell	Framework	Platter
6/15/30	0.5/1/2	400 x 400	Aluminium	MS	SS
50/150	5/10	450 x 450	Tool steel-IP67		SS-304
150/300	10/20	550 x 650			SS
300	20	610 x 610			MSC
300	50	700 x 800			MS
300	20	700 x 800			SS/MS
300/600	20/50	700 x 800			

Capacity (kg)	Accuracy (g)	Platform size(mm)	Loadcell	Framework	Platter
50/60/100/150	5/5/10/10	450 x 550	Tool steel-IP67	SS-304	SS-304
100/150/300	10/10/20	550 x 650		SS-304	SS-304
300/600	20/50	700 x 800			

### Four loadcell platform scale

Capacity (kg)	Accuracy (g)	Platform size (mm)	Loadcell	Framework	Platter
600	50	700 x 800	Tool steel-IP67	MS	MSC/SS-304*
600/1000/1500/2000/3000/5000	100/200/200/500/500/1000	1000 x 1200 / 1200 x 1200 / 1500 x 1500 / 1200 x 1500 / 1500 x 1800			SS-304
600/1000/1500	100/200/200	1000 x 1200 / 1200 x 1500		MS	Ms Cheq
1000/1500	200	2000 x 2000			
2000/3000	500				
5000	1000				

\* SS-304 Platter is applicable only for 1000 x 1200 / 1200 x 1500 / 1500 x 1800

\* Six Load cell Platform available both in Concentrated or Distributed load option

\* Check technical spec doc for further info

### Accessories

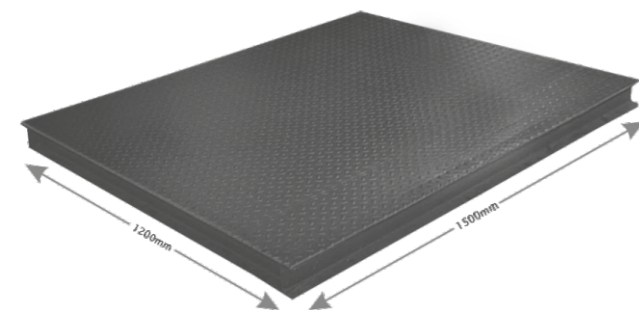
Ramp Size (mm)	Capacity (kg)	Ramp Size (mm)	Capacity (kg)
1200 x 1600 MSC	600 to 3000	1200 / 1500 / 1800 x 1870 MSC	1500 to 3000 (concentric)
1500 x 1600 MSC		1200 x 1600 SS-304	600 to 1500
1800 x 1600 MSC		1500 x 1600 SS-304	



Bench type



Platform type



- Wide platform range to suit customer needs
- Rugged/Sturdy platforms in both SS/MS

## Technical Specification

### Low profile platform scale

- Fully Stainless Steel
- Ideal for Pharma and chemical industries
- Weighment area height is 45 mm ± 5 mm (600 x 600, 850 x 850)  
Weighment area height is 60 mm ± 5 mm (1250 x 1250, 1500 x 1500)
- Ease of movement of Container / Trolley
- Size to suit customer applications

### Accessories

Capacity (kg)	Accuracy (g)	Platform size (mm)	Ramp Size (mm)	Capacity (kg)
150/300/600	20/50/100	600 x 600	600 x 230	150 to 600
150/300/600	20/50/100	850 x 850	850 x 230	150 to 600
600/1000/1500	100/200/200	1250 x 1250	1250 x 455	600 to 1500
600/1000/1500	100/200/200	1500 x 1500	1500 x 455	600 to 1500

### Technical specifications

Weighing units	g, kg, litre, carat (selectable)
Calendar / clock	Date / time available through in-built RTC
Weight recording	Automatic or manual
Printing data	Bill print (for each transaction) & List print (summary reports)
Memory	4 MB Flash 25,000 transaction records, (optionally expandable upto 8 MB)
Display type	Graphic LCD
Standard options	2 x RS-232 serial
	2 x USB host for keyboard & barcode scanner or Pen drive, 1 x USB device
	3 x Potential free set point relay output (12 V / 1.5A)
Optional interfaces	Flame Proof Enclosure (FLP)
	1 x Ethernet - TCP/IP (10/100 Mbps auto negotiation)
	Wi-Fi (Range up to 20 m line of sight)
	Digital 4-20 mA
	GPS Receiver
	21-CFR Software
Others	External scale / balance interface through RS-232, only for selected Essae models
Accessories	TM-U220D Dot Matrix Printer (Serial)
	25 / 50 mm JUMBO DISPLAY
	MS ROLLER 450 x 550 / 550 X 650 / 700 x 800 mm
	DP-810 Printer
	2 / 3 Color Towerlamp Kit
	EQDF file
	Table mount kit

### Sample List Print format 1 :

Essae-Teraoka Pvt Ltd Bangalore							
Sl.No	Product Name	Date	Time	Tare Wt	Net Wt	Gross Wt	Quantity Remark
1	M3X6 shim screw	19-09-2009	13:43	0.250	0.241	0.491	10 LOW
2	M3X8 shim screw	19-09-2009	13:44	0.000	1.476	1.476	6033 HIGH
3	M3 hex nut	19-09-2009	13:44	0.100	1.380	1.480	3115 HIGH
4	M4 spring washer	19-09-2009	13:45	0.500	0.483	0.983	9662 HIGH
5	M6 rubber leg	19-09-2009	13:46	0.987	0.494	1.481	1501 HIGH
6	M8 hex nut	19-09-2009	13:46	0.250	1.234	1.484	4001 HIGH
				2.087	5.308	7.395	24322

Thank you

### Sample Bill Print format 1 :

Essae Teraoka Pvt Ltd Bangalore	
Sl.No	: 1
Product Name	: M3X6 shim screw
Date	: 19-09-2009
Time	: 13:43
Tare Wt	: 0.250 kg
Net Wt	: 0.241 kg
Gross Wt	: 0.491 kg
Quantity	: 10 pcs
Remark	: LOW

Thank you



SI-850 FLP Indicator



Tower Lamp

### Sample List Print format 2 :

CADILLA HEALTH CARE Zydus Towers, Satellite Cross Road Ahmedabad		
SI.NO	NET WT	Remarks
132	0.253	HIGH
133	0.254	HIGH
134	0.258	HIGH
135	0.259	HIGH
136	0.153	OK
137	0.098	LOW
-----		
Total :	1.275	
-----		
Avg Net Wt	: 0.253	
Lowest Wt	: 0.098	
Highest wt	: 0.259	
Std Dev	: 0.069	
Variance	: 0.004	
Rel.Deviation	: 0.1327	
No.Of Low	: 1	
No Of OK	: 1	
No Of High	: 4	