

***Built to perform under
all conditions.***



DS-450/451 Series
Excellence in industrial scales

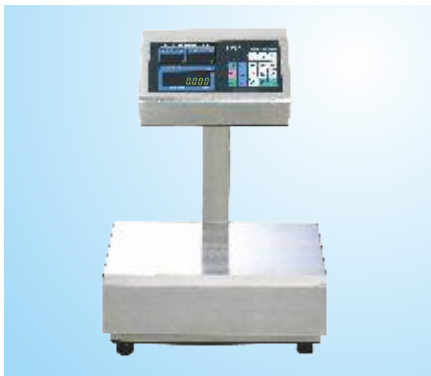


DS-451

Key features of Weighing Models

DS-451 Series

- Fully stainless steel console
- Large & bright green vacuum fluorescent display
- Wide range of operating voltage
- High resolution A/D convertor
- SMT technology
- Compliance with EMI/EMC regulations
- Reliable keyboard
- Large keys with positive click action and user friendly



DS-451CWSS

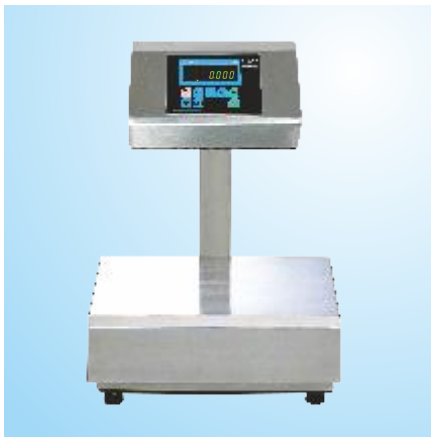
DS-451CW Console

- Fully stainless steel console
- Additional display for min and max values
- % calculation for min & max
- Numeric key pad for entering values like digital tare, min & max etc.,
- Compliance with EMI/EMC regulations
- High resolution A/D convertor
- SMT technology
- Graphic LED representation for min & max values to reduce operator fatigue

Optional check - weighing



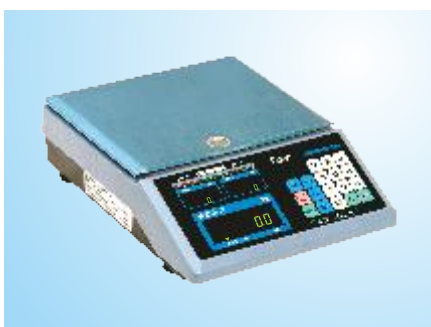
Colour graphic indicator and audible alarm for quick check weighing application



DS-450SS

DS-450SS

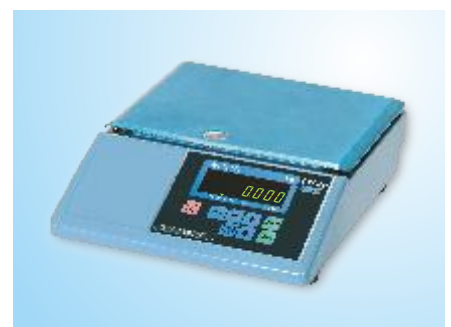
- Fully SS water resistant
- Stainless steel housing ensures long life under harsh environments. (Meets IP-56 standard)
- System expands easily with an optional interface. (RS-232C or Setpoint I/F)



DS-450CW

DS-450CW/DS-450 Table Top

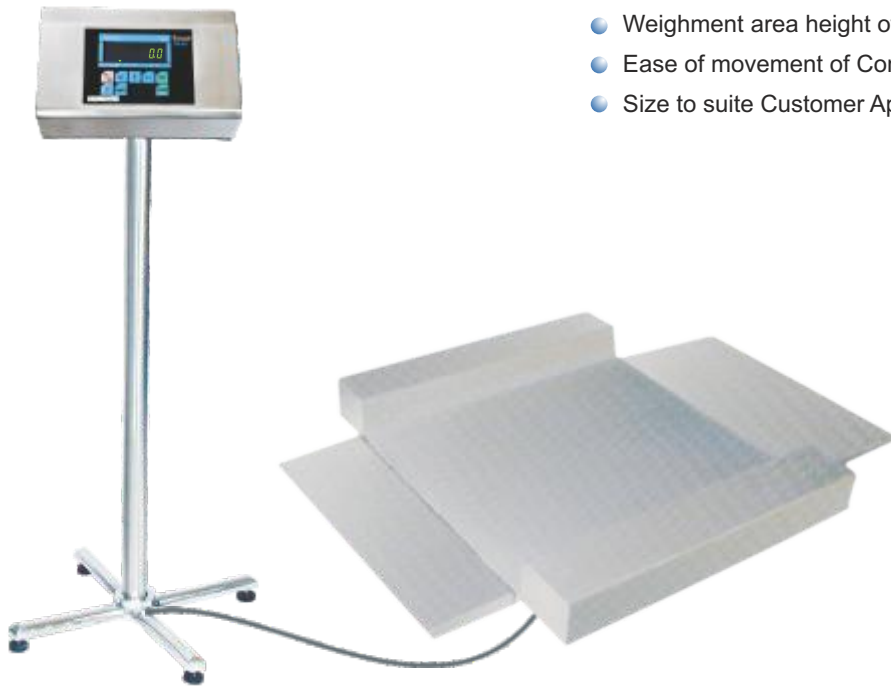
- Large & bright green vacuum fluorescent display
- High resolution A/D convertor
- SMT technology
- Compliance with EMI/EMC regulations



DS-450

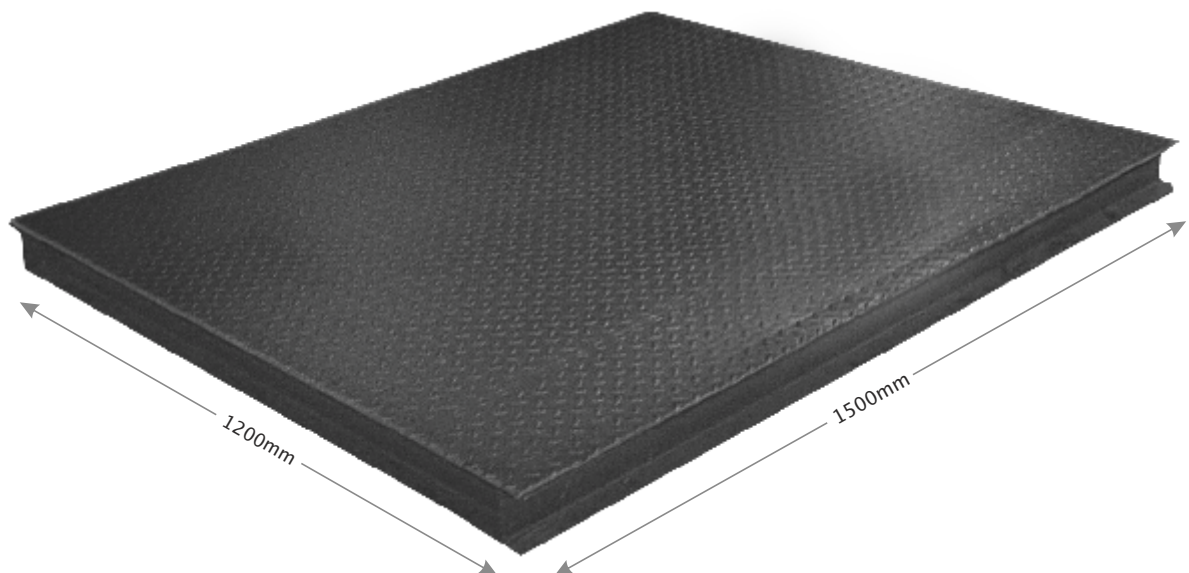
Excellence In Industrial Scales

Low profile platform Scale



- Fully SS (option-MS)
- Ideal for Pharma & Chemical Industries
- Weighment area height of 45mm±5mm
- Ease of movement of Containers/Trolley
- Size to suite Customer Applications

Wide platform range to suit customer needs for higher capacity



- Rugged/Sturdy Platforms in both SS/MS
- Size to suit Customer Application

Options and accessories



IP-67 Tool Steel Loadcell



Roller



PCB Assembly



RS-232 Output for
Computer Interface



DS-451 Flame Proof Indicator



Metallic legs



Radius Platter with no screws



DS-451HP Console

- Fully SS
- IP-67 grade construction
- Ideal for Pharma, Sea food & Chemical Industries
- IQ/OQ/PQ documentation for Pharma



DS-451CW Flame Proof Indicator



SS Encapsulation for L/C for double
protection against Water Entry



Platter with frame work assembly



DS-451HP Platform

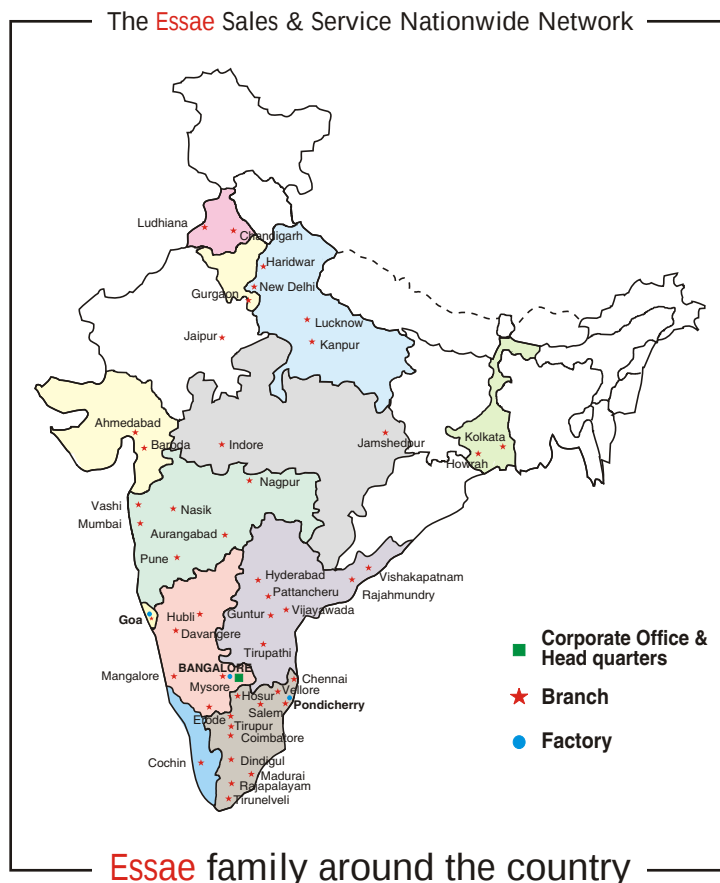
- Full SS Platform
- IP-67 grade Tool Steel Loadcell
- Wash down construction complies to GMP
- Ideal for Pharma & Chemical Industries



Durable Tactile Key sheet

Technical Specifications

Features	DS-450SS	DS-450CWSS	DS-451	DS-451HP
Power Supply	230V, AC, 50Hz	230V, AC, 50Hz	230V, AC, 50Hz	230V, AC, 50Hz
Display Type	Green Vacuum Fluorescent Display	Green Vacuum Fluorescent Display	Green Vacuum Fluorescent Display	Green Vacuum Fluorescent Display
Display Size	13mm-Height	13mm-Height 7mm Min & Max	13mm-Height	13mm-Height
Operating Temp	0°C - 45° C	0°C - 45° C	0°C - 45° C	0°C - 45° C
Operating Humidity	85% RH (non condensing)	85% RH (non condensing)	85% RH (non condensing)	85% RH (non condensing)
No. of Functional Keys	Eight (8)	Eighteen (18)	Eight (8)	Eight (8)
Weighing Sensor	Loadcell	Loadcell	Loadcell	Loadcell
Type of protection	IP-55(Indicator)	IP-55(Indicator)	IP-55(Indicator)	IP-67(Indicator)
Platter Material	Stainless Steel of 304 Grade	Stainless Steel of 304 Grade	Stainless Steel of 304 Grade	Stainless Steel of 304 Grade
Frame Work Material	Stainless Steel	Stainless Steel	Mild Steel	Stainless Steel
Loadcell	Aluminum	Aluminum	Tool Steel	Tool Steel IP-67
Options	1. RS-232 Computer I/F 2. Serial Printing I/F 3. 4-20 mA Output 4. 0-10VDC Output 5. 25mm or 50mm Jumbo Display	1. Check Weighing 2. RS-232 Computer I/F 3. Set Point-TTL 4. Set Point-Potential Free relay O/P 5. 25mm or 50mm Jumbo Display	1. RS-232 Computer I/F 2. Remote Display 3. Roller 4. Ramp 5. Flame Proof Indicator 6. 4-20mA Output 7. 0-10VDC Output 8. Serial Printing Interface 9. RS-485 Networking 10. 25mm or 50mm Jumbo Display	1. RS-232 Computer I/F 2. Roller 3. Ramp 4. IP-67 Tool Steel Loadcell 5. Serial Printing I/F 6. 25mm or 50mm Jumbo Display



■ Head Office, R&D-Bangalore ■ Factory-Bangalore, Goa ■ Branches-47 ■ Resellers-300+

DS-450/451 Series

<i>Applications</i>	<i>Ideal for</i>
Weighing	Food Processing
Check weighing	Pharmaceutical
Accumulation	Chemical
Printing	Automotive
Batch processing	Fisheries

Single Loadcell platform

Model	Capacity (kg)	Accuracy (g)	Platform Size (mm)	Loadcell	Frame Work	Platter	Accuracy Class
DS-450	0.3/0.6/1.5/3/6/15	0.02/0.05/0.1/0.2/0.5/1	205x250	Aluminium	NA	SS-304	II
DS-450CW	0.3/0.6/1.5/3/6/15	0.02/0.05/0.1/0.2/0.5/1	205x250	Aluminium	NA	SS-304	II
DS-450SS	3/6/15/30	0.2/0.5/1/2	360x276	Aluminium	SS-304	SS-304	II
DS-450CWSS	3/6/15/30	0.2/0.5/1/2	360x276	Aluminium	SS-304	SS-304	II
DS-451	6/15/30	0.5/1/2	400x400	Aluminium	MS	SS	II
	60/150	5/10	450x550	Tool Steel-IP67	MS	SS-304	II
	150/300	10/20	550x650	Tool Steel-IP67	MS	SS-304	II
	300	20	700x800	Tool Steel-IP67	MS	MS	II
	300/600	20/50	700x800	Tool Steel-IP67	MS	SS	II
	600	50	700x800	Tool Steel-IP67	MS	MSC	II
DS-451CW	6/15/30	0.5/1/2	400x400	Aluminium	MS	SS	II
	60/150	5/10	450x550	Tool Steel-IP67	MS	SS-304	II
	150/300	10/20	550x650	Tool Steel-IP67	MS	SS-304	II
	300	20	700x800	Tool Steel-IP67	MS	MS	II
	300/600	20/50	700x800	Tool Steel-IP67	MS	SS	II
	600	50	700x800	Tool Steel-IP67	MS	MSC	II
DS-451HP	6/15/30	0.5/1/2	360x276	Tool Steel-IP67	SS-304	SS-304	II
	60/150	5/10	450x550	Tool Steel-IP67	SS-304	SS-304	II
	150/300	10/20	550x650	Tool Steel-IP67	SS-304	SS-304	II
	300/600	20/50	700x800	Tool Steel-IP67	SS-304	SS-304	II

Four Loadcell Platform Scale

DS-451	600/1000/1500/ 2000/3000/6000	100/200/200 500/500/1000	1000x1200 1200x1500 1500x1800	Tool Steel-IP67	MS	MSC	III
	600/1000/1500/ 2000/3000/6000	100/200/200 500/500/1000	1000x1200 1200x1500 1500x1800	Tool Steel-IP67	MS	SS-304	III
	600/1000/1500	100/200/200	1000x1200 1200x1500	Tool Steel-IP67	SS-304	SS-304	III

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47 Branches
 Factories in Bengaluru & Goa
 300+ Resellers

Note: The above model meets the statutory & regulatory requirements as per the provision of legal metrology Act, 2009 & legal metrology (General) Rule, 2011. Specifications are subject to change without notice. Other names & logos used are property of respective brands.