



SAFFRON®
AN ISO 9001 : 2015 CERTIFIED Co.



Innovative Solutions With New Possibilities

SINCE 2000

• **Pharmaceutical • Analytical • Laboratory • Chemicals • Precision • Institution**

COMPLETE WEIGHING SOLUTION



**Competency Product with
High Quality Brand**

www.saffron scales.com



- Uniquely and delectable Design
- More Sensible Accuracy & High Stability

- Excellent Repeatability & Unfailing Reliability
- Maintenance Free Product

Eminent Clients :

LARGEST SUBGROUP INDUSTRIES



PHARMA INDUSTRIES

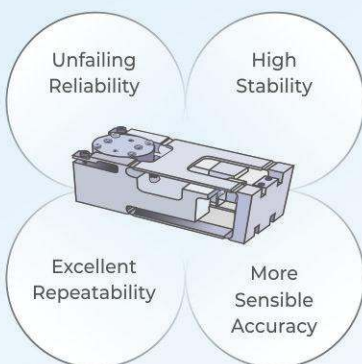


UNIVERSITY





Extra Protection - Chemicals, dust protected design / Protection of Main Balance Configuration, Airtight Rust & Dust proof weighing chamber Housing - Inside high grade chemical resistant metal body and outside high grade anti static abs body



Technology - Based on - Cutting edge, Brilliant, **EMFC-MONOLOG** (Single Block) Weighing Cell - invented by German technocrat



Display - The Advanced Eye protected Backlit, High Contrast enlarged characters LCD display allows for a clearer & cool displayed of measurement results. There is no any Eye side effect for continue weighing.

CAL DONE

Auto Calibration Adjustment

Single Touch fully Auto External/Internal Cal System with CAL DONE indication.

- U.S. Pharmacopeia The Standard of QualitySM
- RS232 PC
- USB
- Below Weighing
- Ambient Cond Monitoring
- Weighing
- Statistical Calculation
- Standard Global Unit
- Replaceable Unit
- Parts Counting
- Checkweighing
- Percent Setup
- Animal Weighing
- Density Determination
- Print Function
- GLP / GMP Procedures
- GSM

► **Standard Feature**

- Auto Calibration - Single Touch fully Auto External/Internal Cal System.
- Auto Self Checking Function
- Anti Shaking Software
- Stability filtration for Matching Environment
- Excellent Repeatability
- Overload protection Design
- Below weighing system
- Easy access Data by Standard RS232 Interface, USB port.
- Global 20 standard Weighing Units
- Rechargeable Battery Backup Optional
- Auto Density Determination facility



Density determination frequently perform by archimedes principle which is also use with the density determination kit with balance for determination of specific gravity of solid and liquid by simple process. there are no need to any calculation, the scale show auto density result. (Density kit optional)

- Other Application
Animal Dynamic weighing, Percentage, Piece counting, GSM, Below weighing, Statistics



Easy Access Data Transfer by Rs232 / USB Port
to the PC / Printer (STP01) by a Single Cable

21 CFR Compliance



Unlimited Data Record Memory



Data Saving



Password Protection



Touch Screen Monitor



Data Sending



GLP / GMP Print



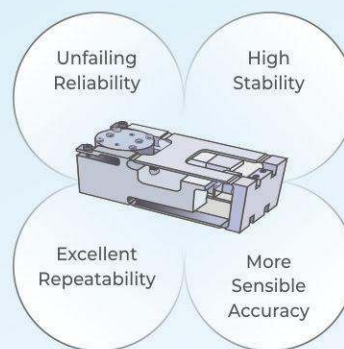
Wifi System



► Technical Specifications

MODEL	SES304#	SES204	SES104	SES320C#	SES220C	SES1003	SES623	SES523	SES323	SES6202	SES4202	SES3202
Max Capacity (g)	320	220	120	320	220	1000	620	520	320	6200	4200	3200
Readability (d) (g)	0.0001		0.0002	0.0001		0.001				0.01		
Repeatability ^{SD} (g)	± 0.0001			± 0.0001		± 0.001				± 0.01		
Linearity (g)	± 0.0002			± 0.0002		± 0.002				± 0.02		
Pan Size	90 mm Ø			90 mm Ø		120 mm Ø				220 x 220 mm ☒		
Calibration	External			Internal		External				External		
Stabilization Time	2 sec											
Display	LCD (Backlit) with Advance eye protection											
Tare Range	full											
Working Temperature	+5°C ~ +40°C											
Sensitivity Drift	2ppm/°C											
Interface	RS232, USB,											
Power Requitement	Input AC 100 ~ 240V±20% (50 ~ 60)Hz / Output DC 7.5V											
Rechargeable Battery Backup	Yes (optional)											
Housing	ABS											
Dimension (LxWxH)	275 x 188 x 300 mm (0.1/1mg Readability Balance)						275 x 188 x 70 mm (10mg Readability Balance)					
Approx Weight	4kg											
Verification Accuracy (e)	1mg for 0.1mg Readability Balance / 10mg for 1mg Readability Balance / 100mg for 10mg Readability Balance											
Minimum Weight as per USP typical	0.12g for 0.1mg Readability Balance / 1.5g for 1mg Readability Balance / 12g for 10mg Readability Balance											

#Coming Soon/ (We use EMFC Technology with Single or Combined Block as per availability)



Technology - Based on -
Cutting edge, Brilliant,
EMFC-MONOLOG
(Single Block) Weighing Cell -
invented by German technocrat



► Standard Feature

- Auto Calibration - Single Touch Auto External Cal System.
- Backlit LCD Display with eye protected
- Auto Self Checking Function
- Anti Shaking Software
- Stability filtration for Matching Environment
- Excellent Repeatability
- Overload protection Design
- Easy access Data by Standard RS232 Interface
- Global 18 standard Weighing Units
- Manual Density Determination facility (Density kit optional)
- Rechargeable Betray Backup Optional

• Other Application

- Piece counting
- GSM

► Technical Specifications

Model	Max Capacity	Readability (d)	Repeatability SD	Linearity (g)	Pan Size	Calibration	Display	Stabilization Time	Tear Range	Working Temp.	Interface	Power Requirement	Housing Dimension	Minimum Weight as per USP typical
SES323S	320 g	0.001 g	± 0.001 g	± 0.002 g	120mm Ø	Auto External	LCD Backlit	2 Sec	Full	+5°C ~ +40°C	RS232	Input AC 100 ~ 240V ±20% (50 ~ 60) Hz / Output DC 7.5V	SES323S 275x188x300mm	1.5g for SES323S
SES2202	2200g	0.01 g	± 0.01 g	± 0.02 g	150mm Ø								ABS SES2202 275x188x70mm	12g for SES2202

(We use EMFC Technology with Single or Combined Block as per availability)

► Semi Micro Analytical Balance



► Standard Feature

- Based on EMFC technology
- High stability and excellent repeatability
- Anti shaking software and overload protection design
- Various weight units like ct, mg, gm, tola, oz, dwt.
- Interior draft shield available
- Density determination facility
- ALIBI memory is non-deletable storage
- Easy auto internal calibration adjustment by single touch key
- Fully automatic time and temp, controlled internal calibration adjustment
- Standard RS232 interface, 1500V isolation fast USB port connectivity with print and PC.
- The advanced eye protected Backlit, high contrast enlarged characters LED display
- Global Weighing Units - 20 Standard Unites allows to weigh all over Country . The user can select two unit at the one time by TOGGING key.
- Extra Protection - Chemicals, dust protected design / Protection of Main Balance Configuration, Airtight Rust & Dust proof weighing chamber
- Housing - Inside high grade chemical resistant metal body and outside high grade anti static abs body
- Other Application
Dynamic weighing, percentage, piece counting, Auto Density result, below weighing, Statistics

► Technical Specifications

MODEL	SES45	SES65	SES165	SES265	SES285
Max Capacity (g)	40	60	60/120	60/220	80/220
Readability (d) (g)	0.00001/0.0001				
Repeatability (g)	± 0.00002 (20g < Rt ≤ 50 g) ± 0.00005 (50 g < Rt ≤ 60g) ± 0.00007 (60g < Rt ≤ 80g) ± 0.0001 (80g < Rt ≤ 100g)				
Linearity (g)	± 0.0001				
Pan Size	90mm Ø				
Calibration	Fully automatic time and temp, controlled internal calibration adjustment				
Stabilization Time	6 ~ 8 sec				
Display	LCD (Backlit)				
Tare Range	full				
Working Temperature	+5°C ~ + 40° C				
Sensitivity Drift	2ppm/°C				
Interface	2 x RS 232, USB-A, USB-B				
AC Power requirement	100 ~ 240V ± 20%				
DC Power supply	12 ~ 16V				
Frequency	(50 ~ 60) Hz				
Relative air humidity	40% ~ 80%				
Housing	ABS				
Dimension (LxWxH)	333 x 206 x 355mm				
Approx Weight	6kg Approx				
Packing Size	495 x 400 x 515 mm				
Verification Accuracy (e)	1mg				

► Load Cell Base High Precision Balance



► Standard Feature

- The advanced eye protected Backlit, high contrast enlarged characters LCD display
- High resolution over 1000000 stable count
- Anti vibration feature
- Environmentally protected load cell with temp. compensated
- Inbuilt rechargeable battery backup for continue use optional
- Safe Overload protection 120% of FS
- Ultimate Overload protection 150% of FS
- Interior wind shield available
- Auto external calibration system
- High stability & better Repeatability.
- Density determination kit (optional)
- Space saving and accompanist design
- Multi weighing units
- High/Low indication



► Technical Specifications

MODEL	SES14	SES24	SES200	SES300	SES400	SES500	SES305	SES605	SES1005	SES302	SES602	SES1202	SES1502	SES2002
Max Capacity (g)	10	20	200	300	400	500	300	600	1000	300	600	1200	1500	2000
Readability (d) (g)	0.0001		0.001				0.005			0.01				
Repeatability ^{SD} (g)	± 0.0002		± 0.002				± 0.005			± 0.01				
Linearity (g)	± 0.0002		± 0.002				± 0.01			± 0.02				
Pan Size	45 mm Ø		80 mm Ø				120 mm Ø							
Calibration	External auto Adjustment													
Stabilization Time	2 ~ 3 sec													
Display	LCD (Backlit)													
Tare Range	full													
Working Temperature	+5°C ~ + 40° C													
Sensitivity Drift	2ppm°/C													
Interface	RS 232													
AC Power requirement	100 ~ 240V ± 20%													
DC Power supply	12V													
Frequency	(50 ~ 60) Hz													
Relative air humidity	40% ~ 80%													
Housing	ABS													
Dimension (LxWxH)	275 x 188 x 300 mm (0.1/1mg Readability Balance)										275 x 188 x 70 mm (10mg Readability Balance)			
Approx Weight	2kg Approx													
Verification Accuracy (e)	2mg For 0.1mg/20mg For 1mg/200mg For 10mg Readability Scale													

*Glass Windshield not Available For 0.005g & 0.01g Readability Scales



► Standard Feature

- Easy to read Bright GREEN LED Display.
- High resolution over 1000000 stable count
- Anti vibration feature
- Environmentally protected load cell with temp. compensated
- Inbuilt rechargeable battery backup for continue use optional
- Safe Overload protection 120% of FS
- Ultimate Overload protection 150% of FS
- Interior folding wind shield available
- Auto external calibration system
- High stability & better Repeatability.
- Density determination kit (optional)
- Space saving and accompanist design
- Multi weighing units
- High/Low indication



► Technical Specifications

MODEL	SES14	SES24	SES200	SES300	SES400	SES500	SES305	SES605	SES1005	SES302	SES602	SES1202	SES1502	SES2002
Max Capacity [g]	10	20	200	300	400	500	300	600	1000	300	600	1200	1500	2000
Readability [d] [g]	0.0001			0.001				0.005				0.01		
Repeatability ^{SD} [g]	± 0.0002			± 0.002				± 0.005				± 0.01		
Linearity [g]	± 0.0002			± 0.002				± 0.01				± 0.02		
Pan Size	45 mm Ø			80 mm Ø						120 mm Ø				
Calibration	External													
Stabilization Time	2 sec													
Display	LED													
Tare Range	full													
Working Temperature	+5°C ~ +40°C													
Sensitivity Drift	2ppm/°C													
Interface	RS232 (optional)													
Power requirement	Input AC 100 ~ 240V ± 20% (50~60) Hz													
Dimension [LxWxH]	260 x 185 x 220													

*Glass Windshield not Available For 0.005g & 0.01g Readability Scales

► Moisture Analyzer (Touch Screen)



Widely used in industrial, agriculture, laboratory applications.
Some typical applications are : tobacco, paper, food, tea, corn, chemical, row materials and textile material etc.



► Technical Specifications

MODEL	SES50MA
Make	Saffron
Capacity	50 gm
Readability	0.001g/1mg
Display	Touch Screen
Heating Source	Infra Red Halogen Lamp
Dry Mode	Automatic / Manual
Dry Range	0.01% - 100.00%
Inbuilt Sample result saving facility	Yes
Pan Size	100 mm (SS)
Temp. Sensor	PT - 100
Temp. Setting	+50°C to 180°C
Time Setting	1 - 99 Minutes
Dry Repeatability	0.10%
Calibration	Automatic External
Power Supply	Input-AC 110 ~ 220V, 50/60 Hz, +/- 15% Output - DC 7 ~ 8V
Working temp.	+5°C to +35°C (Constant)
Sensor	Strain Gauge
Interface	RS 232 for PC / Printer
Damnation (LxWxH)	340 x 180 x 140 mm
Weight	Approx 5 kg

► Standard Feature

- Heating Profile Infra Red Halogen
- Auto & Manual Mode
- Touch Screen Display
- Temperature and time can be set
- The percentage of Moisture content
- The percentage of dry residual
- Store historical setting
- Statistics printing facility available with date and time

► Standard Accessories

- The sample pan holder,
- Tray handle,
- Power cord,
- Sample pan
- Instruction Manual

PRINT SLIP

SAFFRON SCALE	
MODEL - SES50MA	
CAL DONE	
USER	
NAME	
ADD.	
SAMPLE	
Sample ID	: 2001201345
Heat Time	: 2min 12sec
Sample Weight	: 3.451g
Drying Weight	: 3.433g
Water Loss	: 0.52%
Drying	: 99.48%
Date	: 15:01:2020
Time	: 10.30am

► Precision Table Top Scale



MODEL	CAPACITY	READABILITY	PAN SIZE (mm)
SES 3TH	3kg	0.1 g	170 x 220 or 240 x 290
SES 6TH	6kg	0.1 g	
SES 10TH	10kg	0.1 g	
SES 20TH	20kg	0.1 g	
SES 30TH	30kg	0.1 g	
SES 3T	3kg	0.5 g	
SES 6T	6kg	0.5 g	
SES 10T	10kg	0.5 g	
SES 20T	20kg	1 g	
SES 30T	30kg	1 g	
SES 50TH	50kg	1 g	

► Standard Feature

- Easy to read bright LED display.
- High Resolution 15000-100000 stable count
- High stability & better repeatability
- Respond Time 2 Second
- Multi Unite Available
- Easy to Operate System
- Ultimate overload protection 150% of FS

- Auto external calibration system
- Inbuilt battery backup available for continue use
- SS and ABS housing available
- Environmentally protected load cell.
- RS232, WiFi, Bluetooth facility, Printer (optional)
- High / Low Indication
- Waterproof Body (optional)



► STP01 - Thermal Data Printer

► Standard Feature

- Admin Password Protected
- Unlimited Data Record Memory & Saving
- Data Sending Facility by Mail, SMS
- Wifi system & Touch Screen Monitor Optional
- 21 CFR Compliance
- GLP/GMP Compliance
- Fast & Clear printing.
- Statistics printing facility available with date and time
- Name of company & code number can be printed.
- Sum only & duplicate copy is possible.

- Printing data available for long time.
- No need of expensive ribbon cartridge.
- No irritating sound of printing.
- Interface connectivity possible with all standard balances
- User friendly operation.
- Backlit LCD display.

► Technical Specifications

MODEL	STP 01
Printing Method	Thermal direct line
Paper	Thermal Paper
Paper Size	57 mm
Printing Speed	50 - 80 mm / sec
Life of printing head	50 cm
Display	LED backlit
Interface	RS 232C
Statistics printing with date - time	Yes
Sum and duplicate copy facility	Yes
Company name code number	Yes
Power supply	Input AC 110 - 250 (50/60) Hz
Transmission parameter	1200, 2400, 4800, 9600 baud
Working temperature	5 - 40°C
Dimension (L x W x H)	220 x 150 x 70 mm
Id / n / min / max / diff / Ex / stdv / date / time	Yes



TEST REPORT

SAFFRON SCALE	ID NO.65922
MODEL - SES204	S/N. 180112
CAL DONE	02/02/2019: 10:15AM
USER:	
CUST. NAME:	
ADD.	
SAMPLE :	
001:	0.5728 g
002:	1.2312 g
003:	1.5584 g
004:	0.9854 g
005:	0.6582 g
n	5
Ex	5.0060
min	0.5728
max	1.5584
diff	0.9856
stdv	0.4076
05-Dec-2017	11:33:05 AM

► SS 304/316 Platform Scale



► Standard Feature

- Complete washable Stainless steel 304/316 food grade Fabrication
- Bright Large LED/LCD Display for easy viewing
- Bases on Insulated High Resolution Precision Stainless steel load cell with temperature compensated & advanced microcontroller
- Electro less Nickel plated in Load cell for Corrosion Resistant
- High grade ABS, Air tight rust & dust proof against moisture ingress (SS Housing optional)
- Environmentally protection class IP54, 65, 67, 68 available (as per user requirement)
- Heavy Pipe, Angle, C-Channel Fabrication as per platform size
- Rugged Construction Suitable for Industrial Environment
- Safe overload protection 150% of full scale
- Ultimate Overload protection 200% of full scale
- High resolution up to 100000 stable counts.
- Auto External Calibration system
- Optional Remote Display available for customer.
- Built-in rechargeable battery for continues use
- Power source AC220, +-20%, 50/60Hz
- Response Time 2 Sec
- Tare Range Full
- Working Temperature +5°C~ +50°C

Low Profile Scale



IP65 / 67 / 68
Protection



Print



WiFi



Bluetooth

RS232 Interface (optional)

► Technical Specifications

Model	Capacity	Readability	Platform Size (mm)
SES6PSS	6 kg	0.1 g	250 x 250
SES10PSS	10 kg	0.5 g	300 x 300
SES30PSS	30 kg	1 g	300 x 300
SES50PHSS	50 kg	1 g	300 x 300
SES50PSS	50 kg	5 g	400 x 400
SES100PSS	100 kg	10 g	500 x 500
SES200PSS	200 kg	20 g	600 x 600
SES300PSS	300 kg	20 g	600 x 600
SES500PSS	500 kg	50 g	750 x 750
SES1000PSS	1000 kg	100 g	750 x 750

► Technical Specifications (4 Load cell Platform)

Model	Capacity	Readability	Platform Size (mm)
SES500P4LSS	500 kg	50 g	1000 x 1000
SES1000P4LSS	1000 kg	100 g	1000 x 1000
SES1500P4LSS	1500 kg	200 g	1200 x 1200
SES2000P4LSS	2000 kg	200 g	1500 x 1500
SES3000P4LSS	3000 kg	300 g	2000 x 2000
SES5000P4LSS	5000 kg	500 g	2000 x 2000

► Platform Scale



Flameproof Scale

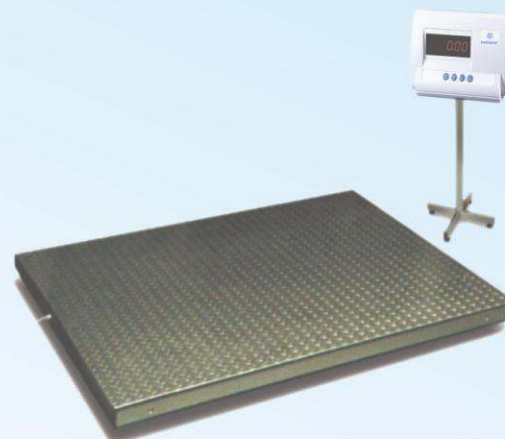


Certified
by CIMFR
(Dhanbad)

MS Platform



4load Cell Heavy-duty
Chequer Platform



► Standard Feature

- Bright RED/GREEN Big LED Display for easy viewing
- High resolution up to 15,000 to 100000 counts.
- Optional Remote Display available for customer.
- Built-in rechargeable battery for continues use
- Auto external calibration facility
- Rugged construction suitable for industrial environment.
- Print facility indicator in smart weighing (Optional)
- Remote Display available for customer (Optional)
- Ultimate Overload protection 200% of full scale
- Environmentally protected Load Cell. With temp. compensated
- Heavy MS pipe, Angle, C-channel fabrication with colour coating.
- ABS Dye Casting Indicator with high contrast 6 digit red LED display
- Based on Insulated High Precision SS Load Cell with Temperature Compensated & Advance Micro Controller.
- Safe overload protection 150% of full scale
- Superior technology with micro controller base
- Power sources AC200+-10%, 50/60Hz
- Operating Temperature: +5°C to 45°C
- Back rail support facility (Optional)
- SS 304/316 Waterproof (IP 65/67/68) structure
- (Optional)
- Flameproof structure (Optional)



Print



WiFi



Bluetooth

RS232 Interface (optional)

► Technical Specifications

Model	Capacity	Readability	Platform Size (mm)
SES50P	50 kg	5 g	400 x 400
SES100P	100 kg	10 g	500 x 500
SES200P	200 kg	20 g	600 x 600
SES300P	300 kg	20 g	600 x 600
SES500P	500 kg	50 g	750 x 750
SES1000P	1000 kg	100 g	750 x 750

► Technical Specifications(4 Load Cell Heavy-duty Chequer Platform)

Model	Capacity	Readability	Platform Size (mm)
SES500P4L	500 kg	50 g	1000 x 1000
SES1000P4L	1000 kg	100 g	1000 x 1000
SES1500P4L	1500 kg	200 g	1200 x 1200
SES2000P4L	2000 kg	200 g	1500 x 1500
SES3000P4L	3000 kg	300 g	2000 x 2000
SES5000P4L	5000 kg	500 g	2000 x 2000

NABL Certified Standard Weight Box & Individual Weights (OIML-R111)

- OIML-R111-2004 standard
- Weight box & individual weights
- Range - 1mg to 50kg
- Class - E1, E2, F1, F2, M1



► Technical Specifications OIML Standard Weights

Class	E1	E2	F1	F2	M1
Standard	OIML R111	OIML R111	OIML R111	OIML R111	OIML R111
Material	Austenitic SS	316 SS	304 SS	304 SS	202 SS
Construction	Solid Single Piece	Solid Single Piece	Solid Single Piece	Solid Single Piece	One or Two Piece
Cavity	No	No	No	Yes/No	Yes
Density	8.00g/cm ³	7.96g/cm ³	7.90g/cm ³	7.85g/cm ³	7.80g/cm ³
Magnetic Susceptibility	<0.005	<0.005	<0.05	<0.05	<0.5
Intensity of Polarization	<2.5μT	<8	<25	<25	<50
Shape	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical
Finish	Mirror Polish	Mirror Polish	Mirror Polish	Mirror Polish	Mirror Polish
Packing (1mg~200g)	Aluminum Box	Aluminum Box	Aluminum Box	Aluminum Box	

- Accessories : Forcep, Glove, Cotton
- Presentation :
 - For E1 Class : Weight Set Supplied with Foam Packing in polished Aluminum Box weights up to 20 kg
 - For E2 Class : Weight Set Supplied with Foam Packing in polished Aluminum/Plastic Box weights up to 20 kg
 - For F1/F2 Class : Weight Set Supplied with Foam Packing in polished Aluminum/Plastic Box weights up to 20 kg
- Certificate Provide from NABL accredited Laboratory
- Constructions : 1 mg to 500 mg - Solid Single Piece, leaf type / 1 gm to 20 kg - Solid cylindrical knob type, mirror finished / 20 kg to 50 kg - Solid cylindrical with round handle in top (F2 & M1 Class)

Saffron electronics scale reserve the right to make changes to the technology, features, specifications and design of the all enclosed equipment any time without notice for day to day up gradation.

DEALER