Laboratory Balances & Industrial Scales
Pharma | Food | Chemical

Solution Simplified

Sensor
The Brilliant MONO-TECH

SEN

Proven weighing technology for fast and accurate results.

Internal Calibration

CAL INT

Fully Automatic motorized Internal built in weights Calibration.

Perfect-Self Auto Calibration (PSAC)

PSAC

Temperature controlled automatic internal adjustment (PSAC) uses the built-in weights to ensure consistently accurate results.

External Calibration

CAL EXT

Automatic setting up of the balances accuracy. External adjusting weight required.

Custom Units

UNIT

Weighing results in different units : kg, g, mg, lb, oz, ozt, Gn, dwt, mom, m, tl (according to country regulations)

Animal Weighing

ANI

When the weighing conditions are unstable, a stable weight is calculated as an average value.

Density Determination

DEN

To determine the density of solid / floating sample. Determination of the density uses Archimedes' principle.

Pipette Calibration

PIPT

Balance allows you to calibrate the pipette used in laboratories for experimenting with liquids.

Formulation

Form

This is convenient when formulating (preparing) multiple substances.

Piece Counting

PCS

Reference quantities selectable. Display can be switched from piece to weight

Percent Weighing

%

Determining the deviation in % from the target value (100 %)

Statistical

Statistical

Allows you to generate statistics of a series of weighing values. 1 to 999 values are possible.

Filing Mode

FIL

This displays, pass, high or low judgments.

Below Weighing Hook

U

Hook for weighing below the balance.

Check Weighing

Che
LO OK HI

Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal.

Totalization

T

The weights of similar items can be added together and the total can be printed out

GLP / GMP

GLP

The balance displays serial number, user ID, weight, date and time, regardless of a printer connection

Over Load Protection

OL

Protects the weighing cell against excess weight overload.

Capacity Tracker

CT

Capacity tracker built into display for easily monitoring possible overloads.

Automatic Shut Off

Auto off

Setting the time after which the display backlight should be switched off automatically.

IP 54

IP
IP54

Protection against dust and splashes of water

Data Interface RS-232C

PC
RS 232

To connect the balance to a printer, PC or Network.

USB Data Interface

USB

To connect the balance to a printer, PC or network (optional)

Windows Direct

WD
Windows Direct

The balance can be connect to a PC via RS-232C or USB ports.

Levelling

LVL

Balances have adjustable feet to maintaining / providing uniform level.

Anti-Theft Device

ANTI

Balance are equipped with a lug for optional anti-theft device. The anti-theft device (cable with) is suitable for all models.

Protection Cover

P

Encloses the entire housing, protecting the balances from stains and scratches

www.aczet.com

CAL INT	PSAC	CAL EXT
UNIT	PIPT	Form
PCS	%	FIL
Che LO OK HI	Statistical	GLP
Auto off	CT	OL
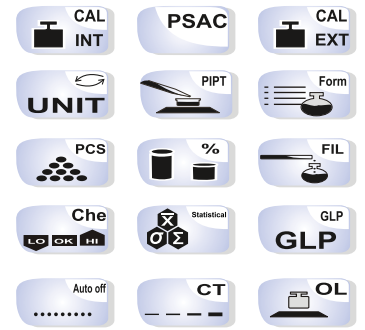
Ultra Micro Balance & Micro Balance are the first choices for measuring the smallest sample quantities.

A Micro Balance consists of two components - one containing the electronics and the other, the precise mechanical measuring cell. This separation eliminates the effects of temperature and the influence it has on the performance of your Micro Balance scale.

Drift in reading caused due to fluctuations in ambient conditions e.g. temperature.

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Maximum Repeatability and Adherence to USP
The best weighing accuracy and sd ⩽ 1d repeatability along with adherence to USP requirements (chapter 41 and 1251) set a new benchmark for mass measurement quality.

Infra Red Sensor
Thanks to infrared sensors, you can weigh without touching the balance. Everything is done automatically with a wave of your hand.

Efficient operation
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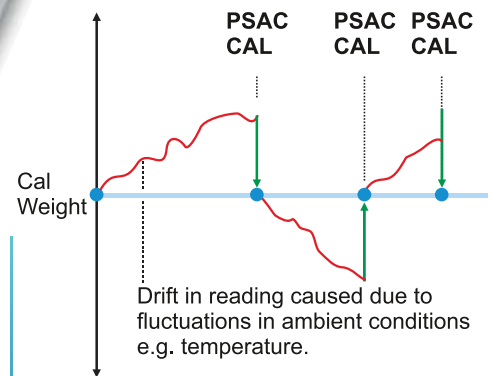
Perfect Self Automatic Calibration (PSAC) CM-A Series
Temperature controlled automatic internal adjustment (PSAC) uses the built-in weights to ensure consistently accurate results.

Print Format
Built-in function, you can add the date and time to your results in accordance with GMP / GLP / ISO documentation regulations.

USP (United States Pharmacopeia) 21CFR Part 11 Compliance Available on Request.

Calibration	CM-A
Internal Cal	✓
PSAC	✓
External Cal	✓

Model	UCM 2A	CM 2A	CM 5A	CM 6A	CM 11A	CM 21A
Capacity	2 g	2 g	5 g	6.1 g	11 g	21 g
Minimum Load	10 µg	100 µg	100 µg	100 µg	100 µg	100 µg
Readability	0.1 µg	1 µg	1 µg	1 µg	1 µg	1 µg
Repeatability (+/-)	0.4 µg	1 µg	1 µg	1 µg	1.5 µg	1.5 µg
Linearity (+/-)	1.5 µg	2 µg (0-500 µg) 4 µg (2g)	2 µg (0-500 µg) 4 µg (5g)	2 µg (0-500 µg) 4 µg (6.1g)	3 µg (0-500 µg) 6 µg (11g)	3 µg (0-500 µg) 10 µg (21g)
Response time	10-20 sec	8-10 sec	8-10 sec	8-10 sec	8-10 sec	8-10 sec
Minimum sample wt (U=1% K=2)	0.1 mg	0.1 mg	0.2 mg	0.2 mg	0.24 mg	0.24 mg
Minimum sample wt (as per USP)	1 mg	1 mg	2 mg	2 mg	2.4 mg	2.4 mg
Pan size (mm)	16 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø

* Performance Depending on the installation location and environmental conditions, the value could be higher.

Micro Balance
CM Series

CAL INT | PSAC | CAL EXT
UNIT | PIPT | Form
PCS | % | FIL
Che LO OK HI | Statistical | GLP
Auto off | CT | OL

PSAC CAL   PSAC CAL   PSAC CAL

Cal Weight

Drift in reading caused due to fluctuations in ambient conditions e.g. temperature.
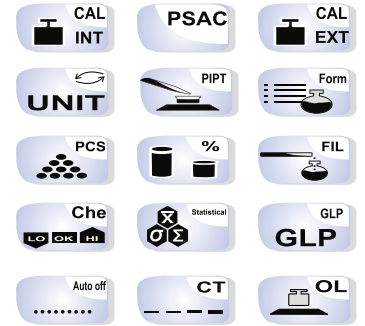
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Temperature controlled automatic internal adjustment (PSAC) uses the built-in weights to ensure consistently accurate results.

Print Format
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Calibration	CM
Internal Cal	✓
PSAC	✓
External Cal	✓

Model	CM 2	CM 5	CM 6	CM 11	CM 21	CM 31
Capacity	2 g	5 g	6.1 g	11 g	21 g	31 g
Minimum Load	100 µg	100 µg	100 µg	100 µg	100 µg	100 µg
Readability	1 µg	1 µg	1 µg	1 µg	1 µg	1 µg
Repeatability (+/-)	1 µg	1 µg	1 µg	1.5 µg	1.5 µg	2 µg
Linearity (+/-)	2 µg (0-500 µg) 4 µg (2 g)	2 µg (0-500 µg) 4 µg (5 g)	2 µg (0-500 µg) 4 µg (6.1 g)	3 µg (0-500 µg) 6 µg (11 g)	3 µg (0-500 µg) 10 µg (21 g)	3 µg (0-500 µg) 10 µg (31 g)
Response time	8-10 sec	8-10 sec	8-10 sec	8-10 sec	8-10 sec	8-10 sec
Minimum sample weight (U=1% K=2)	0.1 mg	0.2 mg	0.2 mg	0.24 mg	0.24 mg	0.24 mg
Minimum sample weight (as per USP)	1 mg	2 mg	2 mg	2.4 mg	2.4 mg	2.4 mg
Pan size (mm)	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø	15 Ø ~ 30 Ø

* Performance Depending on the installation location and environmental conditions, the value could be higher.

Filter Micro Balance
CM-F Series

The weighing pan's innovative design enables easy placement of the filter in the ideal position.

Filter Micro Balances are the first choice of Emissions Testing Gravimetric Determination of Particulate Matter (PM)

A Filter Micro Balance consists of two components - one containing the electronics and the other, the precise mechanical measuring cell. This separation eliminates the effects of temperature and the influence it has on the performance of your Micro Balance scale.

Calibration	CM-F	CM-P
Internal Cal	✓	✓
PSAC	✓	✓
External Cal	✓	✓

Model	CM 2F	CM 5F	CM 6F	CM 11F
Capacity	2 g	5 g	6.1 g	11 g
Minimum Load	100 µg	100 µg	100 µg	100 µg
Readability	1 µg	1 µg	1 µg	1 µg
Repeatability (+/-)	1 µg	1 µg	1 µg	1.5 µg
Linearity (+/-)	2 µg (0-500 µg) 4 µg (2 g)	2 µg (0-500 µg) 4 µg (5 g)	2 µg (0-500 µg) 4 µg (6.1 g)	3 µg (0-500 µg) 6 µg (11 g)
Response time	8-10 sec	8-10 sec	8-10 sec	8-10 sec
Minimum sample weight (U=1% K=2)	0.1 mg	0.2 mg	0.2 mg	0.24 mg
Minimum sample weight (as per USP)	1 mg	2 mg	2 mg	2.4 mg
Pan size (mm)	50 Ø	50 Ø	50 Ø	50 Ø

Pipette Micro Balance
CM-P Series

Pipette Micro Balance is primarily used for Pipette Calibration & Liquid Weighing.

Model	CM 11P	CM 21P
Capacity	11 g	21 g
Minimum Load	100 µg	100 µg
Readability	1 µg	1 µg
Repeatability (+/-)	1.5 µg	1.5 µg
Linearity (+/-)	3 µg (0-500 µg) 6 µg (11 g)	3 µg (0-500 µg) 10 µg (21 g)
Response time	8-10 sec	8-10 sec
Minimum sample weight (U=1% K=2)	0.24 mg	0.24 mg
Minimum sample weight (as per USP)	2.4 mg	2.4 mg
Pan size (mm)	20 Ø	20 Ø
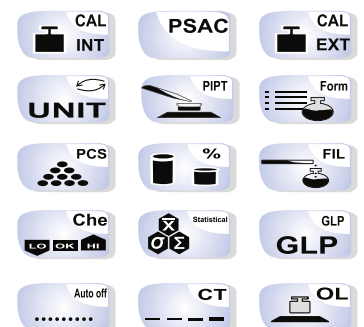
* Performance Depending on the installation location and environmental conditions, the value could be higher.

Semi Micro Balance
CY-C Series

Grid Pan

Cal Weight

PSAC CAL   PSAC CAL   PSAC CAL

Drift in reading caused due to fluctuations in ambient conditions e.g. temperature.
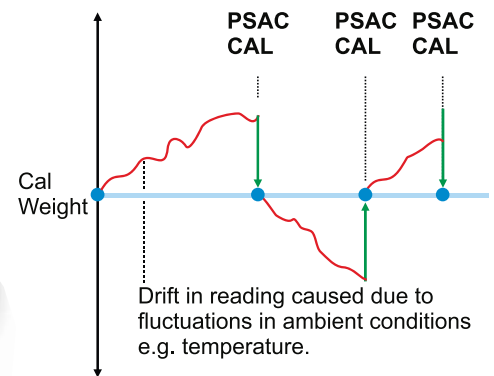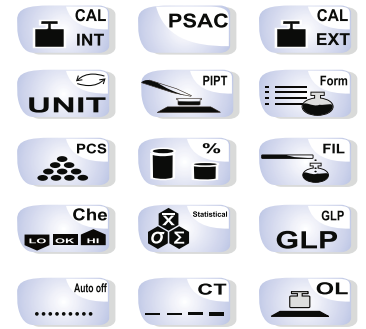
High Performance
Fast, stable results : Smart Grid, the new grid weighing pan speeds up your weighing process. The grid structure allows air turbulence to flow through the pan, reducing settling and stabilization times for faster results.

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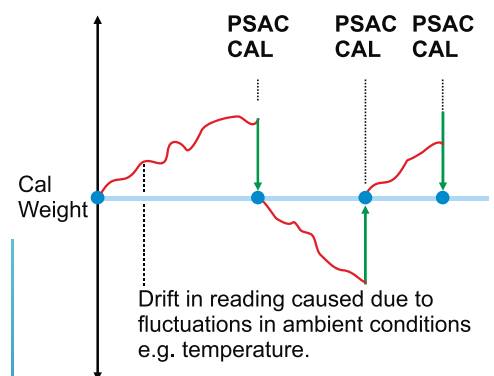
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Calibration	CY-C
Internal Cal	✓
PSAC	✓
External Cal	✓

Single Range | Dual Range

Internal Calibration Model	CY 65C	CY 85C	CY 205C	CY 225C	CY 265C	CY 285C	CY 165C	CY 255C
Capacity	60 g	80 g	200 g	220 g	60 / 220 g	80 / 220 g	100 / 160 g	100 / 250 g
Minimum Load	1 mg	1 mg	1 mg	1 mg	1 mg	1 mg	1 mg	1 mg
Readability	0.01 mg	0.01 mg	0.01 mg	0.01 mg	0.01 / 0.1 mg	0.01 / 0.1 mg	0.01 / 0.1 mg	0.01 / 0.1 mg
Repeatability (+/-)	0.02 mg	0.02 mg	0.03 mg	0.03 mg	0.02 / 0.1 mg	0.02 / 0.1 mg	0.02 / 0.1 mg	0.02 / 0.1 mg
Linearity (+/-)	0.04 mg	0.04 mg	0.07 mg	0.07 mg	0.04 / 0.2 mg	0.04 / 0.2 mg	0.05 / 0.2 mg	0.05 / 0.2 mg
Response time	5-8 sec	5-8 sec	5-8 sec	5-8 sec	5-8 sec	5-8 sec	5-8 sec	5-8 sec
Minimum sample weight (U=1% K=2)	2 mg	2 mg	2 mg	2 mg	2 mg	2 mg	2 mg	2 mg
Minimum sample weight (as per USP)	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Pan size (mm)	80 Ø	80 Ø	80 Ø	80 Ø	80 Ø	80 Ø	80 Ø	80 Ø

* Performance Depending on the installation location and environmental conditions, the value could be higher.

* Touch Screen Balance available CY - A Series
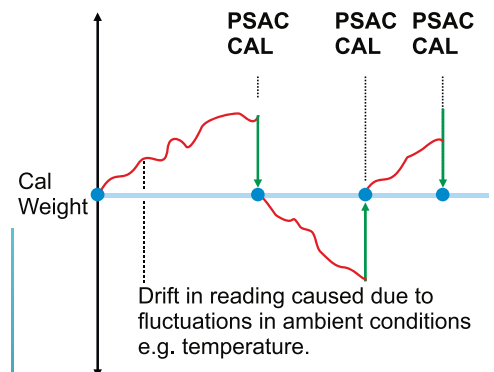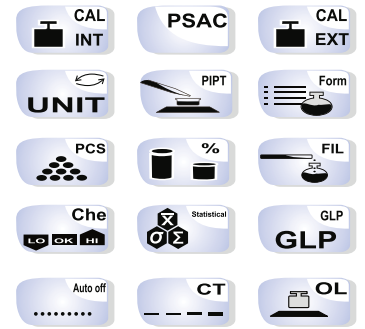
CAL INT	PSAC	CAL EXT
UNIT	PIPT	Form
PCS	%	FIL
Che	Statistical	GLP
Auto off	CT	OL

PSAC CAL   PSAC CAL   PSAC CAL

Cal Weight

Drift in reading caused due to fluctuations in ambient conditions e.g. temperature.

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Calibration	CY-C	CY
Internal Cal	✓	-
PSAC	✓	-
External Cal	✓	✓

Internal Calibration Model	CY 64C	CY 124C	CY 224C	CY 304C	CY 324C	CY 404C
External Calibration Model	**CY 64**	**CY 124**	**CY 224**	**CY 304**	**CY 324**	**CY 404**
Capacity	60 g	120 g	220 g	300 g	320 g	400 g
Minimum Load	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (+/-)	0.1 mg	0.1 mg	0.1 mg	0.2 mg	0.2 mg	0.5 mg
Linearity (+/-)	0.2 mg	0.2 mg	0.2 mg	0.3 mg	0.3 mg	0.3 mg
Response time	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec
Minimum sample weight (U=1% K=2)	16 mg	16 mg	16 mg	16 mg	16 mg	16 mg
Minimum sample weight (as per USP)	160 mg	160 mg	160 mg	160 mg	160 mg	160 mg
Pan size (mm)	90 Ø	90 Ø	90 Ø	90 Ø	90 Ø	90 Ø

* Touch Screen Balance available CY - A Series

Precision Balance
CY-C / CY Series

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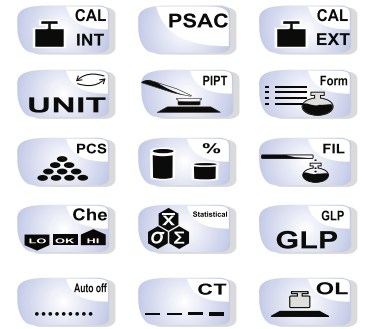| Calibration	CY-C	CY
Internal Cal	✓	-
PSAC	✓	-
External Cal	✓	✓

Internal Calibration Model	CY 123C	CY 223C	CY 323C	CY 363C	CY 423C	CY 513C
External Calibration Model	CY 123	CY 223	CY 323	CY 363	CY 423	CY 513
Capacity	120 g	220 g	320 g	360 g	420 g	510 g
Minimum Load	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
Readability	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm
Repeatability (+/-)	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm
Linearity (+/-)	0.002 gm	0.002 gm	0.002 gm	0.002 gm	0.002 gm	0.002 gm
Response time	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec
Minimum sample weight (U=1% K=2)	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
Minimum sample weight (as per USP)	1 gm	1 gm	1 gm	1 gm	1 gm	1 gm
Pan size (mm)	110 Ø	110 Ø	110 Ø	110 Ø	110 Ø	110 Ø

Internal Calibration Model	CY 623C	CY 723C	CY 1003C	CY 2003C	CY 3003C	-
External Calibration Model	CY 623	CY 723	CY 1003	CY 2003	CY 3003	CY 3102DR
Capacity	620 g	720 g	1000 g	2000 g	3000 g	300 / 3100 g
Minimum Load	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
Readability	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 / 0.01 gm
Repeatability (+/-)	0.001 gm	0.001 gm	0.002 gm	0.003 gm	0.003 gm	0.001 / 0.01 gm
Linearity (+/-)	0.002 gm	0.002 gm	0.005 gm	0.005 gm	0.005 gm	0.002 / 0. 2 gm
Response time	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec
Minimum sample weight (U=1% K=2)	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
Minimum sample weight (as per USP)	1 gm	1 gm	1 gm	1 gm	1 gm	1 gm
Pan size (mm)	128 x 128	128 x 128	128 x 128	128 x 128	128 x 128	128 x 128

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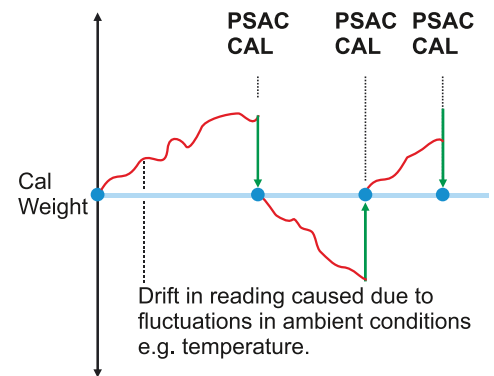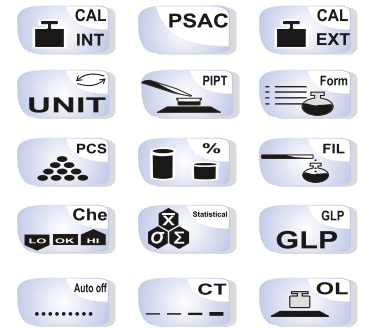USP (United States Pharmacopeia) 21CFR Part 11 Compliance Available on Request.

Calibration	CY-C	CY
Internal Cal	✓	-
PSAC	✓	-
External Cal	✓	✓

Internal Calibration Model	CY 612C	CY 1202C	CY 2202C	CY 3102C	CY 6102C	CY 8102C
External Calibration Model	CY 612	CY 1202	CY 2202	CY 3102	CY 6102	CY 8102
Capacity	610 g	1200 g	2200 g	3100 g	6100 g	8100 g
Minimum Load	1 gm	1 gm	1 gm	1 gm	1 gm	1 gm
Readability	0.01 gm	0.01 gm	0.01 gm	0.01 gm	0.01 gm	0.01 gm
Repeatability (+/-)	0.01 gm	0.01 gm	0.01 gm	0.01 gm	0.01 gm	0.01 gm
Linearity (+/-)	0.02 gm	0.02 gm	0.02 gm	0.02 gm	0.03 gm	0.03 gm
Response time	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec
Minimum sample weight (U=1% K=2)	820 mg	820 mg	820 mg	820 mg	820 mg	820 mg
Minimum sample weight (as per USP)	8.2 gm	8.2 gm	8.2 gm	8.2 gm	8.2 gm	8.2 gm
Pan size (mm)	128 x 128	198 x 205	198 x 205	198 x 205	198 x 205	198 x 205
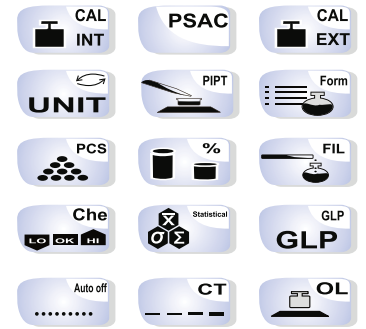
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Internal Cal	✓	-
PSAC	✓	-
External Cal	✓	✓

Internal Calibration Model	CY 3101C	CY 4101C	CY 6101C	CY 8101C	CY 10001C	CY 12001C
External Calibration Model	**CY 3101**	**CY 4101**	**CY 6101**	**CY 8101**	**CY 10001**	**CY 12001**
Capacity	3100 g	4100 g	6100 g	8100 g	10 kg	12 kg
Minimum Load	10 gm	10 gm	10 gm	10 gm	10 gm	10 gm
Readability	0.1 gm	0.1 gm	0.1 gm	0.1 gm	0.1 gm	0.1 gm
Repeatability (+/-)	0.1 gm	0.1 gm	0.1 gm	0.1 gm	0.1 gm	0.1 gm
Linearity (+/-)	0.2 gm	0.2 gm	0.2 gm	0.2 gm	0.2 gm	0.2 gm
Response time	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec
Minimum sample weight (U=1% K=2)	8.2 gm	8.2 gm	8.2 gm	8.2 gm	8.2 gm	8.2 gm
Minimum sample weight (as per USP)	82 gm	82 gm	82 gm	82 gm	82 gm	82 gm
Pan size (mm)	198 x 205	198 x 205	198 x 205	198 x 205	198 x 205	198 x 205

Industrial Precision Balance

Internal Calibration Model	CY 1500HC	CY 20001HC	CY 25001HC	CY 35001HC	CY 50000HC
External Calibration Model	**CY 1500H**	**CY 20001H**	**CY 25001H**	**CY 35001H**	**CY 50000H**
Capacity	15 kg	20 kg	25 kg	35 kg	50 kg
Minimum Load	10 gm	10 gm	10 gm	10 gm	-
Readability	0.1 gm	0.1 gm	0.1 gm	0.1 gm	1 gm
Repeatability (+/-)	0.1 gm	0.1 gm	0.1 gm	0.1 gm	1 gm
Linearity (+/-)	0.2 gm	0.2 gm	0.2 gm	0.2 gm	2 gm
Response time	2-3 sec	2-3 sec	2-3 sec	2-3 sec	2-3 sec
Minimum sample weight (U=1% K=2)	8.2 gm	8.2 gm	8.2 gm	8.2 gm	82 gm
Minimum sample weight (as per USP)	82 gm	82 gm	82 gm	82 gm	820 gm
Pan size (mm)	370 x 260	370 x 260	370 x 260	370 x 260	370 x 260

'Loss on Drying' (LOD) Principle.
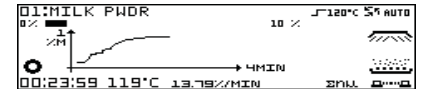
Method Wise
Storage allows the user to store 25 moisture determination results in each method, user can store such 40 methods. Method wise storage is suitable for application in R & D or Quality Assurance where there are more number of different product (samples) to be analyzed.

Moisture is everything evaporates upon heating.

Standard Features
- Data memory up to 1000 data
- Data divided in to 40 methods or 100 batches
- User can avail Statistic method or batch wise Facility of compile two method
- PS2 Key Board connectivity make it very user friendly operation.

- Password protection prevent unauthorized use of the important setting 4 user ID configurable
- ISO/GLP calibration report for weight and temperature, also last successfully calibration report can be avail any time form the memory

- Programmable customize print format Alpha numeric keypad makes it easy to enter method name
- Facility to add any insolvent before actual drying Possible to configure stand by temperature between 30º C to 175º C

Optional Accessories

```
      ABC PHARMA CO.
       LAB UNIT 3
------------------------
26/04/2019        05:30PM
        ACZET
Model no.          MB 200
Serial no.       M2120057
Ver. no.          1.1.3.25
User ID            MAUSAM
------------------------
Method 19:           NACL
     PRODUCTION LINE
     AFTER FILTERATION

    Start of analysis:
Automatic              No
Stability             YES
Delay                 YES
Heating          STANDARD
Temp               110ºC
Sw-off             MANUAL
Stanby                OFF
Comile                OFF
Init. wt.         +3.918g
------------------------
00:00:30hrs +     4.23 %M
00:01:00hrs +     3.08 %M
00:01:30hrs +     3.08 %M
00:02:00hrs +     3.46 %M
00:02:30hrs +     3.46 %M
------------------------
Fnl. wt.         +4.794 g
00:00:16hrs +     0.13 %M

Last wt. cal    26/04/2019

Last temp cal   31/12/2018

Name :

      ..................
------------------------
26/04/2019        05:32PM
```


Optional Temp. 250ºc

Aluminum Dish

Temperature kit

Model	MB 54	MB 40	MB 50	MB 120	MB 200
Max capacity	50 g	40 g	50 g	120 g	200 g
Precision of readout mass	0.1 mg	1 mg	1 mg	1 mg	1 mg
Precision of readout of moisture	0.0001%	0.001%	0.001%	0.001%	0.001%
Repeatability (Sample 2g) (sd)	0.05%	0.1%	0.1%	0.1%	0.1%
Repeatability (Sample 10g) (sd)	0.02%	0.03%	0.03%	0.03%	0.03%
Display information	% moisture, %of dry sustance, diagram graph, ratio, % Atro moisture, % Atro Dry, %gm/ltr.				
Range of temperature of drying	Max to 175ºC (option to 250ºC)				
Maximum time selection	999.9 min.				
Heating Source	Infra Red Halogen				
Set temperature	Interval 1ºC				
Software of drying	Standard, Rapid, Step, Gentle & High Temp.				
Auto options-turn off	Automatic, Manual timed, User DEF G/T, User DEF % U/T, Intelligent				
Menu language	English				
Transfer of data	RS 232 / USB				
Pan Size (mm)	95 Ø - H: 8				

Electronic Densimeter
CY-GT Series

The Brilliant Mono-Tech
Unique & Unequalled high-end MONO-TECH technology sensor based on electromagnetic force compensation to match the highest international standards.

Density Meter product lines are ideal for both research and production work across many industries including Chemical, Petroleum, Pharmaceutical, Petro-Chemical, and Beverage.

"Archemedies Principle Base"
Detect Sample
Solid / Floating Optional Liquid Complete professional windproof and dustproof cover, which makes the machine convenient and durable.

Efficient operation
Function of actual water temperature compensation.

High-Quality construction and solid performance ensure consistent and precise weighing results.

Ambient Conditions Monitoring
Balances have unique ambient conditions monitoring solution, applied to supervise environmental conditions at the balance workplace.

Print Format
Built-in function, you can add the date and time to your results in accordance with GMP / GLP / ISO documentation regulations.

Model	CY 323GT	CY 613GT	CY 612GT	CY 224GT
Capacity	320 g	610 g	610 g	220 g
Density Resolution	0.001 gm	0.001 gm	0.01 gm	0.0001 gm
Feature	Solid	Solid	Solid	Solid
Weight in Air Pan Size (mm)	108 x100	108 x 100	160 x 140	30 ⌀
Weight in Water Pan Size (mm)	100 x 92	100 x 92	160 x 140	60 ⌀

Industrial Precision Balance
CTG-K / KH Series

Standard Features
• Backlite LCD Display for easy view.
• Rust proof stainless steel platter.
• External calibration.
• Low Battery Indication.

• Built-in rechargeable battery for continuous use.
• Environmentally protected load cell.
• Rugged construction for industrial environment.

Model	CTG 100K1	CTG 150K1	CTG 100K2	CTG 200K2	CTG 200K5	CTG 500K10
Capacity	100 kg	150 kg	100 kg	200 kg	200 kg	500 kg
Readability	1 g	1 g	2 g	2 g	5 g	10 g
Repeatability (+/-)	1 g	1 g	2 g	2 g	5 g	10 g
Linearity (+/-)	2 g	2 g	4 g	4 g	10 g	20 g
Pan Size (mm)	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500

*RS-232C available CTG K Series

Model	CTG 60KH1	CTG 100KH1
Capacity	60 kg	100 kg
Readability	1 g	1 g
Repeatability (+/-)	1 g	1 g
Linearity (+/-)	2 g	2 g
Pan Size (mm)	320 x 360	320 x 360

Precision Balance
CG-L / CG Series

Readability 0.001 g   Readability 0.01g   Readability 0.1 g

Standard Features
- Rugged & reliable design
- Compact and space saving.
- Easy to read LED display (CG Series)

- Easy to read Backlight LCD display (CG-L Series)
- Built-in rechargeable battery.
- Piece counting function available.

- Draft Shield interior. (10mg / 1mg)
- Fast weighing response time.
- Large Stainless Steel Pan.
- Standard RS 232C Interface.

Model	CG 203L	CG 303L	CG 503L	CG 302L	CG 602L	CG 2002L	CG 3001L	CG 6001L	CG 503L
Capacity	200 g	300 g	500 g	300 g	600 g	2000 g	3000 g	6000 g	500 g
Readability	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g
Repeatability (+/-)	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g
Linearity (+/-)	0.002 g	0.002 g	0.002 g	0.02 g	0.02 g	0.02 g	0.2 g	0.2 g	0.2 g
Pan Size (mm)	90 Ø	90 Ø	90 Ø	128 Ø	128 Ø	138 Ø	183 x 160	183 x 160	183 x 160

Model	CG 302	CG 602	CG 1202
Capacity	300 g	600 g	1200 g
Readability	0.01 g	0.01 g	0.01 g
Repeatability (+/-)	0.01 g	0.01 g	0.01 g
Linearity (+/-)	0.02 g	0.02 g	0.02 g
Pan Size (mm)	118 Ø	118 Ø	145 x 125

Table Top Scale

CG Series -Table Top Scale

Model	CG 3	CG 6	CG 10	CG 15	CG 30
Capacity	3 Kg	6 Kg	10 Kg	15 Kg	30 Kg
Readability	0.1 g	0.5 g	0.5 g	1 g	1 g
Pan Size (mm)	275 x 220				

CG-N Series - Counting Scale

Model	CG 3N	CG 6N	CG 10N	CG 15N	CG 30N
Capacity	3 Kg	6 Kg	10 Kg	15 Kg	30 Kg
Readability	0.1 g	0.5 g	0.5 g	1 g	1 g
Pan Size (mm)	275 x 220				

CG-S Series - Stainless Steel Scale

Model	CG 3S	CG 6S	CG 10S	CG 15S	CG 30S
Capacity	3 kg	6 Kg	10 Kg	15 Kg	30 Kg
Readability	0.1 g	0.5 g	0.5 g	1 g	1 g
Pan Size (mm)	260 x 210				250 x 210

IP67
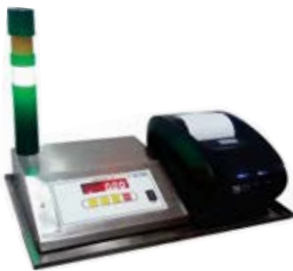
Standard Features
- Interface to Label / Printer & Scanner.
- Data Processing Capacity.
- Bill Summary Report / Weighment for day.
- 5000 Memory, Upgrade to 20,000.
- Master - Product, Customer, Brands.
- Dispense Mode / Shipper Mode Slips.

- Real Time Clock with Backup support.
- Check Weighing / Counting modes.
- Fully programmable with front Panel.
- Labels support for Shipper with Barcode.
- 500,000 Counts Internal / External 50,000
- Bi Directional RS232/USB for data output.
- Export Data to Pen Drive Excel Format

Optional


```
        USV PHARMA
S#:00213
BALANCE: DM/1232/132
ITEM:    COMBIFLAM 200mg
PACK:    1C201
LOT#:    25C113
MFG:     24.12.12
EXP:     25.12.14

GROSS : 1.120Kg
NET   : 0.920kg
TARE  : 0.200kg


SIGNATURE
DATE:    22.12.12    TIME:16:40
```

```
        USV PHARMA
BALANCE:DM/12 Date:22.12.12
ITEM: COMBI FLAM 200mg
LOT#: 25C113
MFG : 25.12.12 EXP: 25.12.14

TARGET WT   MAX    MIN   TARGET QTY
 10.50     10.7   10.4    40   pcs
SHIPPER  WT (kg) QTY   TIME
 001       10.54   40   13:20
 002       10.50   40   13:21
 003       10.64   40   13:22
 004       10.50   40   13:22
 005       10.60   40   13:23
 006       10.55   40   13:23
6 BOXES/  63.33kg / 240Nox
DONE BY PRODUCTION QUALITY
```

Model	CTG 60SP	CTG 150SP	CTG 200SP	CTG 300SP	CTG 500SP
Capacity	60 Kg	150 Kg	200 Kg	300 Kg	500 Kg
Readability	5 g	10 g	20 g	20 / 50 g	50 g
Platform Size (mm)	500 x 500	600 x 600			

* Stainless Steel structure available on request.

Platform Scale

Shock-Guard Overload Protection

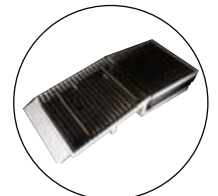**Capsulated Load cell**

IP67

Optional

Built-in Printer Indicator

Counting Indicator

Roller & Ramp

CTG -S Series

Structure CTG S
- MOC fully Stainless Steel Platform 304
- Environmentally protected load cells IP67 Class
- Stainless Steel Load Cells for washdown application.

Standard Features
- High resolution upto 15,000 counts.
- Stainless steel platter of high quality.
- Bottom structure is metal powder coated.
- Rugged & reliable design.
- Advanced microprocessor based design.
- Fast weighing response time
- Auto-OFF function for power saving.

- Easy operation with feather touch keys.
- Easy to read backlit LCD display.
- Net/Gross Function.
- Environmentally protected load cell Ip67.
- Overload 150% of the scale capacity.
- Power AC 220V + 10% 50-60 Hz.
- Built-in rechargeable battery for continuous use.

CTG Series

Model	CTG 30B	CTG 50B	CTG 60B	CTG 100	CTG 150	CTG 200	CTG 300	CTG 500	CTG 501	CTG 1000
Model	CTG 30BS	CTG 50BS	CTG 60BS	CTG 100S	CTG 150S	CTG 200S	CTG 300S	CTG 500S	CTG 501S	-
Capacity	30 Kg	50 Kg	60 Kg	100 Kg	150 Kg	200 Kg	300 Kg	500 Kg	500 Kg	1000 Kg
Readability	5 g	5 g	10 g	10 g	10 g	20 g	20 g	50 g	100 g	100 g
Platform Size (mm)	400 x 400	500 x 500	500 x 500	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	750 x 750	900 x 900

* Customised size available on request.
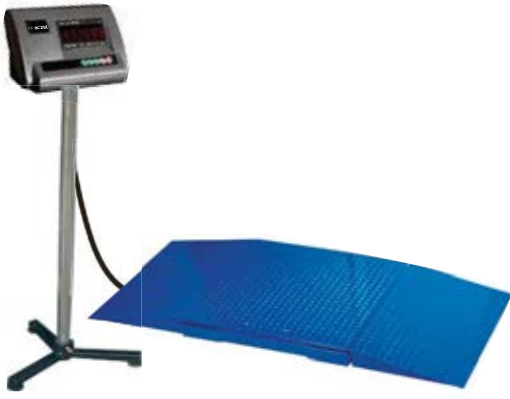
IP67

CTG-UMS Series

CTG-USS Series

IP 67 SS
Capsulated Loadcell

Standard Features
- High resolution up to 15,000 counts.
- Ultra-low profile, 60-100mm height adjustable
- Environmentally protected Load cells.

- Four Load cell for rugged and durable.
- Ramp ON & Ramp OFF is standard in low profile scale.
- Built-in rechargeable battery for continuous use.

- SS Ultra-Low Profile for Washdown application.
- Handles for convenience of positioning and removal.
- Overload 150% of the scale capacity.

Mild Steel Structure Model	CTG 300 4L UMS	CTG 600 4L UMS	CTG 1T4L UMS	CTG 2T4L UMS	CTG 2T4L UMS
Stainless Steel Structure Model	CTG 300 4L USS	CTG 600 4L USS	CTG 1T4L USS	CTG 2T4L USS	CTG 2T4L USS
Capacity	300 kg	600 kg	1 Ton	2 Ton	2 Ton
Readability	50 g	100 g	200 g	500 g	500 g
Platform Size (mm)	600 x 600	600 x 600	1000 x 1000	1200 x 1200	1500 x 1500

Floor Scale 4 Load Cell

IP67

CTG Series

CTG-S Series

Optional

Built-in Printer
Indicator

Counting
Indicator

Standard Features
- High resolution upto 15,000 counts.
- Easy to read Bright LED / LCD display.
- Rugged construction for Heavy Duty Industrial application.

- MOC : 304 for fully SS Platform
- GMP, FDA Compliance.
- Environmentally protected load cells IP67 Class

- Auto-OFF function for power saving.
- Overload 150% of the scale capacity.
- Dust Resistance Membranes key.
- Built-in rechargeable battery for continuous use.

MS Version Model	CTG 1T4L	CTG 2T4L	CTG 2T4L 5	CTG 3T4L	CTG 5T4L	CTG 5T4L 2
SS Version Model	CTG 1T4LS	CTG 2T4LS	CTG 2T4LS 5	CTG 3T4LS	CTG 5T4LS	CTG 5T4LS 2
Capacity	1 Ton	2 Ton	2 Ton	3 Ton	5 Ton	5 Ton
Readability	200 g	500 g	500 g	500 g	1 Kg	1 Kg
Platform Size (mm)	1000 x 1000	1200 x 1200	1500 x 1500	1200 x 1200	1500 x 1500	2000 x 2000

* Customised size available on request.

Flame Proof Table Top Scale
CTG-F Series

Model	Max	Readability	Pan Size
CG - 3SF	3 kg	0.1 gm	250 x 210 mm
CG - 6SF	6 kg	0.5 gm	250 x 210 mm
CG - 10SF	10 kg	0.5 gm	250 x 210 mm
CG - 15SF	15 kg	1 gm	250 x 210 mm
CG - 30SF	30 kg	1 gm	250 x 210 mm

Flame Proof Bench Scale

Model	Max	Readability	Platform Size
CTG - 60F	60 kg	5 gm	500 x 500 mm
CTG - 150F	150 kg	10 gm	600 x 600 mm
CTG - 200F	200 kg	20 gm	600 x 600 mm
CTG - 300F	300 kg	20 gm	600 x 600 mm
CTG - 500F	500 kg	50 gm	600 x 600 mm

MS Version

SS Version

Flame Proof 4 Load Cell Floor Scale
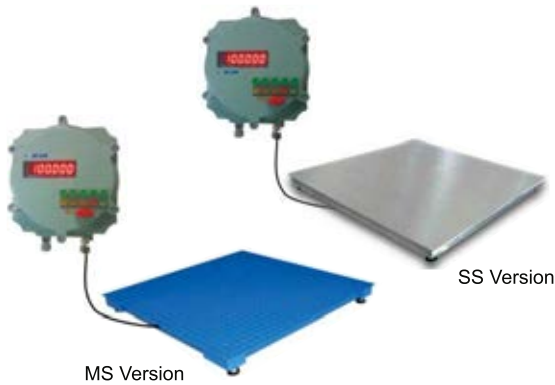
Model	Max	Readability	Platform Size (mm)
CTG - 1 T4LF	1 Ton	200 gm	1000 x 1000 mm
CTG - 2 T4LF	2 Ton	500 gm	1200 x 1200 mm
CTG - 3 T4LF	3 Ton	500 gm	1200 x 1200 mm
CTG - 3 T4LF 5	3 Ton	1 kg	1500 x 1500 mm
CTG - 5 T4LF	5 Ton	1 kg	1500 x 1500 mm
CTG - 5 T4LF 2	5 Ton	1 kg	2000 x 2000 mm

SS Version

MS Version

Cylinder Scale

Model	Max	Readability	Platform Size (mm)
CTG - 2T 4LC	2 Ton	500 gm	1200 x 1000
CTG - 3T 4LC	3 Ton	1 kg	1200 x 1000
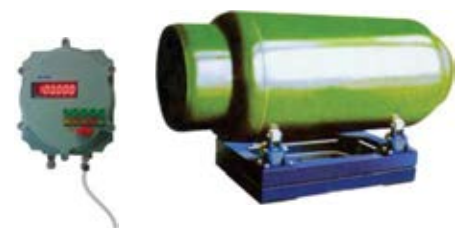
Tank Weighing System
TN Series

Standard Features
- No moving parts.
- The most reliable strain gauge load cells.
- High Accuracy.

- Practically no maintenance.
- Standard electronics will have relay outputs 4-20mA isolated current, set point facility.

- Absolutely cost effective.
- Expandable control output to use as batch controller.

Model	WB -1TN	WB - 2TN	WB - 5TN	WB - 10TN	WB - 15TN	WB - 20TN	WB - 30TN	WB - 50TN	WB - 100TN	WB - 150TN
Max	1 Ton	2 Ton	5 Ton	10 Ton	15 Ton	20 Ton	30 Ton	50 Ton	100 Ton	150 Ton
Readability	1 kg	1 kg	2 kg	5 kg	5 kg	5 kg	10 kg	10 kg	20 kg	50 kg

* Flameproof Enclosure certified by CMFIR,Dhanbad. for use in Zone 1 & 2 for Gas Group : IIB as per IS / IEC 60079-11:2006.

Crane Scale
HA Series

| Upto 5 Ton | Anti Heat Shield 5 to 50 Ton | Wireless 5 to 50 Ton | Handheld Indicator | Wireless Jumbo Display |

Optional

Construction
1. High special safety construction Load cell design to protect damage overload.
2. Load Cell connects to upper ring & Bottom Hook, with Non-screw safety design to prevent loosen or breakage.
3. Easy operated wireless remote control. (distance 15m approx)

Standard Features
- Rugged Heavy duty design, cast Aluminium alloy housing.
- Remote control - ON/OFF, Change, Zero, Hold.
- Heat shield - 100^0C to 1600^0C at distance of approx. 2.5 mtr.

Function
- ON / OFF, Change, Zero Set
- Display : 5 digit, 1.2" RED LED
- Zero Range : 4% FS.
- Max Safety Load : 250% FS.
- Ultimate Load : 500% FS.

Model	HA 300	HA 600	HA 1T	HA 2T	HA 3T	HA 5T	HA 10T	HA 15T	HA 20T	HA 30T	HA 50T
Capacity	300 kg	600 kg	1 Ton	2 Ton	3 Ton	5 Ton	10 Ton	15 Ton	20 Ton	30 Ton	50 Ton
Readability	100 g	200 g	200 g	500 g	1 kg	2 kg	5 kg	5 kg	10 kg	10 kg	20 kg

Pallet Scale
CTG-PT Series

IP67

| SS Version | MS Version |

Optional

Standard Features
- In-built battery Backup.
- Widely use in places like storehouses, warehouses, goods yard etc.
- Bright LED / LCD Display.
- Solid Caster wheel for easily moveable for convenient weighing.
- Flame Proof Indicator are certified by CIMFR, Dhanbad for use in Hazardous area.

Built-in Printer Indicator

Flameproof Indicator

Mild Steel Structure Model	CTG 1PT	CTG 2PT
Stainless Steel Structure Model	CTG 1PTS	CTG 2PTS
Capacity	1000 kg	2000 kg
Readability	500 g	500 g
Fork Length (mm)	1150 x 560 x 85 - 200	1150 x 540 x 85 - 200

* Fork dimensions in different size available on request

OIML standard weights Long-Life Test Weights

The finest quality stainless steel offers the highest resistance to corrosion over a weight's lifetime. Weights are specially designed for long term stability, and weights with an adjusting cavity provide best value for money. Electrolytic polishing ensures glossy surfaces for anti adhesion effects.

Technical Specifications

Magnetization and susceptibility of all weights are strictly controlled to ensure compliance with standards. The steel used is vacuum melted and has a density of 8.0 kg/dm3, a homogenous structure, and best purity.

• Shape

Capacity	Shape
5,50,500 mg	
2,20,200 mg	
1,10,100 mg	
1 g - 100 kg	

• Marking

Class	Marking
E1	The shall be indicated on the cover of the case
E2	The shall be indicated on the cover of the case
F1	Engraving the indication on the Weight
F2	Engraving the indication on the Weight
M1	Engraving the indication on the Weight

Standard Accessories
• Basic Carry Case Lined Wood
• Tweezers
• Nylon gloves
• Brush
• Cleaning Cloth

OIML R111-2004 Maximum permissible errors for weights = permissible tolerances "Tol ± mg"

Capacity	Shape	E1	E2	F1	F2	M1
1 mg		± 0,003 mg	± 0,006 mg	± 0,020 mg	± 0,06 mg	± 0,20 mg
2 mg		± 0,003 mg	± 0,006 mg	± 0,020 mg	± 0,06 mg	± 0,20 mg
5 mg		± 0,003 mg	± 0,006 mg	± 0,020 mg	± 0,06 mg	± 0,20 mg
10 mg		± 0,003 mg	± 0,008 mg	± 0,025 mg	± 0,08 mg	± 0,25 mg
20 mg		± 0,003 mg	± 0,010 mg	± 0,03 mg	± 0,10 mg	± 0,3 mg
50 mg		± 0,004 mg	± 0,012 mg	± 0,04 mg	± 0,12 mg	± 0,4 mg
100 mg		± 0,005 mg	± 0,016 mg	± 0,05 mg	± 0,16 mg	± 0,5 mg
200 mg		± 0,006 mg	± 0,020 mg	± 0,06 mg	± 0,20 mg	± 0,6 mg
500 mg		± 0,008 mg	± 0,025 mg	± 0,08 mg	± 0,25 mg	± 0,8 mg
1 g		± 0,010 mg	± 0,03 mg	± 0,10 mg	± 0,3 mg	± 1,0 mg
2 g		± 0,012 mg	± 0,04 mg	± 0,12 mg	± 0,4 mg	± 1,2 mg
5 g		± 0,016 mg	± 0,05 mg	± 0,16 mg	± 0,5 mg	± 1,6 mg
10 g		± 0,020 mg	± 0,06 mg	± 0,20 mg	± 0,6 mg	± 2,0 mg
20 g		± 0,025 mg	± 0,08 mg	± 0,25 mg	± 0,8 mg	± 2,5 mg
50 g		± 0,03 mg	± 0,10 mg	± 0,3 mg	± 1,0 mg	± 3,0 mg
100 g		± 0,05 mg	± 0,16 mg	± 0,5 mg	± 1,6 mg	± 5,0 mg
200 g		± 0,10 mg	± 0,3 mg	± 1,0 mg	± 3,0 mg	± 10 mg
500 g		± 0,25 mg	± 0,8 mg	± 2,5 mg	± 8,0 mg	± 25 mg
1 kg		± 0,5 mg	± 1,6 mg	± 5,0 mg	± 16 mg	± 50 mg
2 kg		± 1,0 mg	± 3,0 mg	± 10 mg	± 30 mg	± 100 mg
5 kg		± 2,5 mg	± 8,0 mg	± 25 mg	± 80 mg	± 250 mg
10 kg		± 5,0 mg	± 16 mg	± 50 mg	± 160 mg	± 500 mg
20 kg		± 10 mg	± 30 mg	± 100 mg	± 300 mg	± 1 000 mg
50 kg		± 25 mg	± 80 mg	± 250 mg	± 800 mg	± 2 500 mg
100 kg			± 160 mg	± 500 mg	± 1 600 mg	± 5 000 mg

Teste Weigh Set Box

Weight Box Range	Pices	Part No.E1	Part No. E2	Part No. F1	Part No. F2	Part No. M1
1 mg - 500 mg	12	108-22	118-22	128-22	138-22	148-22
1 mg - 200 gm	23	103-04	113-04	123-04	133-04	143-04
1 gm - 2kg	15	103-07	113-07	123-07	133-07	143-07
1 gm - 5 kg	16	103-08	113-08	123-08	133-08	143-08

Weight Handling Accessories

Aluminum Hard Case	Tweezers	Weight Forks	Weight Handles	Miscellaneous Accessories	Weight Trolley

Certification By Accredited Lab

NPL	NABL	RRSL	Dakkas (Germany)	NVLAP	Ukas (USA)

21 CFR Part 11 Touchscreen Module

Standard Features
- User management
- User Number 10
- User Login Protection Yes
- Hierachy right management 2 Level
- Time modifying policy Yes
- Electronic signature & Audit Trail
- Electronic signature Yes
- Password Protection Yes

- Program storage Yes
- Final Database 1000 sets
- Abandoned Program 250 sets
- Audit Trail 10000 sets
- Data Security
- Authorized transmission software Yes
- Output format PDF

* 21 CFR Part 11 (PC Software) also available

Statistical Data Printer CPR 02
- GLP/GMP Header Footer.
- Date & Time Password Protected.
- Selectable Baud rate.

Statistical Data Printer CPR 03
- GLP/GMP Header Footer.
- Date & Time Password Protected.
- Selectable Baud rate.
- Universal Interface can be connected to any other brand.

Weighing Data Logging LBA-X 18
The data logging can be programmed to log the weight data in some particular condition or time. The automatic logging logs the weight data as soon as the weight stabilizes on the platform. It can be customized to log or accumulate the logged data and show number of cycles and total accumulated weight simultaneously

Density Kit CDK 01
- Convert your balance into a density determination in less than a minute.
- Density kit can be used for both floating and non-floating objects.
- Easy Sample Weighing.

Density Kit CDK 02
- Convert your balance into a density determination in less than a minute.
- Density kit can be used for both floating and non-floating objects.
- Easy Sample Weighing.
- Universal can be connected to any other brand.

Antistatic Ionizer CI-01 / 02
The Universal AntiStatic Kit can be used with practically all balances and weighing substances. The weighing sample or container is automatically discharged by passing it through the ionizer when the balance is being loaded.

Battery Backup Unit LBA-X 01
Battery backup unit is an online uninterrupted power supply providing adequate voltages for the operation of the balance in case of power failure

Vibrosorb Pad VRD 01- 02 - 03
Anti Vibration Pad for analytical balance, highly portable and can be used on any lab desk. Compact size ensure best fit for the space constraint environment.

Anti-Vibration Table AVT - VRD
Anti-vibration table solid, stable surface developed specifically to help decrease vibration during the operation of analytical or precision balances. The AVT helps reduce fluctuations in measurement resulting from environmental disturbances, allowing balances to consistently perform.

Single Block Technology

NEW

CZ Series
Readability 0.1 mg / 1 mg / 10mg

Touch Screen Balance

NEW

CY-A Series
Readability 0.1 mg / 1 mg

Flameproof Balance

CY-F Series
Readability 0.1 mg / 1 mg / 10 mg

Split Type Balance

CY-ST Series
Readability 0.1 mg / 1 mg / 10 mg

Ethernet Connectivity

Touch Screen Indicator

Industrial Platform Scale Advance Indicator

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* All Specifications & Dimensions are subject to change without Prior notice.