SCIENTECH®

ZETA SERIES

Patent Pending

New Weighing Technology

New 5-year Warranty

SCIENTECH® ZSL 400 146.72.

SCIENTECH ZSA 120 116.1322.

SCIENTECH® ZSP 250 106.6333.

The MEASURE *of* Confidence

ZETA SERIES

A new, revolutionary weighing technology has recently been developed by Scientech. Since this progressive technology is so exceptional, a patent has been filed and is currently pending. In addition, this innovative technology is now the foundation for a new series of electronic balances which carry Scientech's "Zeta" trademark.

The heart of the new Zeta Series is based on a direct-loading, electromagnetic, force-restoration cell concept, which differs dramatically from normal lever-configuration sensor designs. Thus Zeta models have a more elegant design with fewer moving parts. The result is a more rugged balance with an easily repairable, modular sensor while preserving high performance.

In addition, each unrivaled Zeta model is handcrafted in the USA and retains all the accuracy, durability, and use-friendly standard features you have come to expect from Scientech. The benefits inherent in the Zeta Series also empower Scientech to offer you a new North American 5-year warranty backed by Scientech's ISO9001 certification.
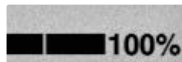
CE

ISO 9001 REGISTERED

ZETA SERIES STANDARD FEATURES

- ► GLP/GMP/ISO compatible
- ► Automatic calibration programs
- ► RS232 data interface with user selectable baud rates up to 19,200
- ► Automatic zero tracking
- ► Automatic system checkout sequencing
- ► Built-in security bracket
- ► Stability indicator
- ► Live animal weighing
- ► Percent weighing
- ► Capacity tracker
- ► Microprocessor control
- ► Exclusive real time temperature compensation software
- ► Parts counting
- ► Check weighing
- ► Selectable filtering
- ► Multiple units of measure
- ► Floating Tare™ (dual range models only)
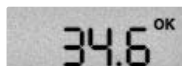- ► Autoranging (dual range models only)

Special FEATURES

Automatic Calibration, Pieces, Check Weighing, Live Animal Weighing and Percent Weighing Selector — Stability Indicator — RS232 Standard On All Models — Capacity Tracker — Floating Tare™ — Unit of Measure Indicator — Unit of Measure Selector
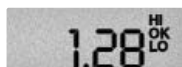
Capacity Tracker

This dynamic graphical display automatically depicts the used and unused portions of your weighing range. The tracker is indispensable in taring out container weight and then weighing several components sequentially. You always know how much capacity remains.

Stability Indicator

The balance tells you when the reading is valid, insuring reliable results. Stability sensitivity is user selectable which allows you to customize your balance setup. You may disable the indicator at any time.

Check Weighing

Here is Scientech's answer to a go/no-go weight gauge. The balance tells if your sample weight is too high, too low, or OK. Interpretive error is eliminated. This application is ideal for JIT environments where quality of each sample must be assured.
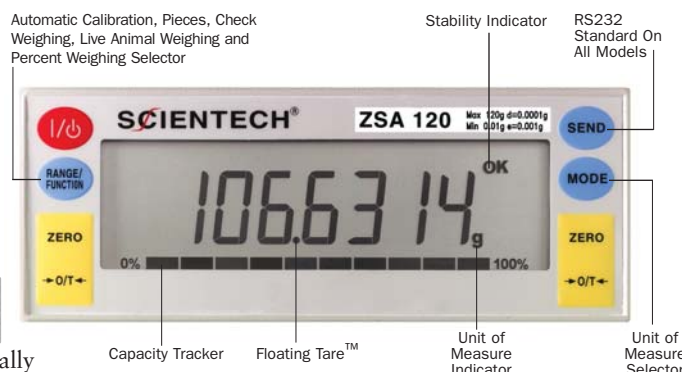
Floating Tare™ *(Dual range models only.)*

Dual range balances offer you two balances in one. Used hand-in-hand with autoranging, Floating Tare™ provides low range readability throughout the entire high range capacity of the balance. Access Floating Tare™ with the press of a button and you have ten times more resolution anywhere within the high range domain.
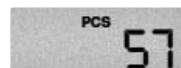
Percent Weighing

By quickly selecting the % mode, you are able to weigh a sample in percent in order to easily determine percent moisture loss, percent solids, or compounding by percent.
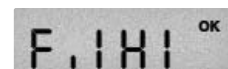
Parts Counting

You can even use a Scientech balance for piece counting. Every model empowers you to count very small to large components quickly and accurately. The minimum fixed sample number is ten with a user selectable larger sample size feature at your fingertips.

Vibration Filters

This feature authorizes you to select a filter setting which is best suited to your task. If your surroundings are vibration-free, set the filtering to low which yields results in the fastest possible time. In more adverse conditions, select either the normal or high filter parameter. These selections will insure reliable readings during your different weighing applications.

Units of Measure

These multifunctional balances present a choice of eight different standard units of measure: grams (g), carats (ct), ounces (oz), troy ounces (ozt), pennyweight (dwt), milligrams (mg), kilograms (kg), and pounds (lb). Just push the mode button to select your desired unit of measure. Also available as an option is a custom weight register which allows any unit of measure you wish.

Live Animal Weighing

Weighing using the time averaging mode is ideal for live animal or severe environment weighing. This feature also includes a reset function which allows you to arrive at the final weight reading in seconds rather than minutes with just the push of a button.

SERIES *Specifications*

MODEL		ZSA 80	ZSA 120	ZSA 210	ZSA 210D
WEIGHING MODE		Single	Single	Single	Dual
CAPACITY/RANGE	g	80	120	210	100/200
READABILITY	g	0.0001	0.0001	0.0001	0.0001/0.001
REPEATABILITY (std dev)	g	0.00015	0.00015	0.00015	0.00015/0.0015
LINEARITY	±g	0.0002	0.0002	0.0002	0.0002/0.0005
STABILIZATION TIME	s	~3	~3	~3	~3
PAN SIZE	in	Circular 3.5 diameter			
WINDSCREEN	in	7.5W x 8.25D x 9.5H			
BALANCE HOUSING	in	7.5W x 11.25D x 3.25H			

MODEL		ZSP 150	ZSP 250	ZSP 350	ZSP 500	ZSP 404D	ZSP 510D
WEIGHING MODE		Single	Single	Single	Single	Dual	Dual
CAPACITY/RANGE	g	150	250	350	500	40/400	100/500
READABILITY	g	0.001	0.001	0.001	0.001	0.001/0.01	0.001/0.01
REPEATABILITY (std dev)	g	0.0015	0.0015	0.0015	0.0015	0.0015/0.015	0.0015/0.015
LINEARITY	±g	0.0015	0.0015	0.0015	0.0015	0.0015/0.005	0.0015/0.005
STABILIZATION TIME	s	~3	~3	~3	~3	~3	~3
PAN SIZE	in	Circular 4.5 diameter					
WINDSCREEN	in	Circular 6 diameter x 3.25H					
BALANCE HOUSING	in	7.5W x 11.25D x 3.25H					

Jewelry Scale

MODEL		ZSL 400	ZSL 600	ZSE 250
WEIGHING MODE		Single	Single	Single
CAPACITY/RANGE	g	400	600	250
READABILITY	g	0.01	0.01	0.001
REPEATABILITY (std dev)	g	0.015	0.015	0.0015
LINEARITY	±g	0.015	0.015	0.0015
STABILIZATION TIME	s	~3	~3	~3
PAN SIZE	in	Circular 4.5 diameter		
WINDSCREEN	in	Optional		7.5W x 8.25D x 9.5H
BALANCE HOUSING	in	7.5W x 11.25D x 3.25H		

Optional ACCESSORIES

GLP/GMP/ISO Compatible

All Scientech balances are GLP/GMP/ISO compatible. Using a computer and one of our small, optional RS232 printers, you may print a hardcopy of either the GLP/GMP Compliance Report and/or a Balance Test for ISO calibration compliance anytime you desire.


```
------ GLP REPORT ------
SCIENTECH
MODEL NO. SP-2050-D
SERIAL NO. 001003

LOT ID
DATE 04/14/97
TIME 08:49:02
#001   247.613  G
#002   247.610  G
#003   247.611  G
#004   247.619  G
#005   247.629  G
#006   247.636  G
#007   247.613  G
TOTAL  1733.331  G
MIN    247.610  G
MAX    247.636  G
MEAN   247.619  G
N         7
STD DEV   0.010  G
COEF VAR 0.000040

      SIGNATURE
04/14/97      08:50:43

--------- END ---------
```

```
----- BALANCE TEST -----
SCIENTECH
MODEL NO. SP-1500
SERIAL NO. 005401
   04/14/97
   10:00:04
 ET WT 1000.000  G
 AL WT 1000.001  G
         0.001  G

      SIGNATURE
97          10:00:39

----- END ---------
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Printers

These small thermal printers utilize the standard RS232 data interface which is in each Zeta Series model. Each printer includes interconnecting cable and is ideal for recording your reading for later review.

Custom Weight Register

This factory installed option allows you to weigh in any unit of measure you desire. It is ideal for results in basis weight, any weight per unit area measurement, or even dollars.

Anti-Vibration Table

Ideal for high vibration environments, this small, compact, vibration plate was designed to fit any Scientech balance or scale.

Other accessories include:

Optional remote weighing, NIST traceable calibration weights, spill covers, weighing bowls, rectangular pans, dust covers and software.

Windscreens

Two windscreens are available for Scientech balances:

► 9.5" high analytical glass windscreen with 3 sliding glass doors
► circular glass windscreen with stainless steel cover

SCIENTECH®

1-800-525-0522

5649 ARAPAHOE AVENUE, BOULDER, COLORADO 80303
PHONE: (303) 444-1361   FAX: (303) 444-9229
EMAIL: inst@scientech-inc.com
WEB SITE: http://www.scientech-inc.com

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