

SCIENTECH®



Jewelry Scales

Legal-for-Trade

CLASS
II



Patent
Pending

New
5-year
Warranty

New
Weighing
Technology

Unbreakable
Sensor

ISO 9001
REGISTERED

The **MEASURE**
of Confidence

JEWELRY SCALES

Scientech has now coupled NTEP (legal-for-trade) certification with our new revolutionary Zeta Series design for precision jewelry balances. This unique marriage gives you the advantage of a very accurate scale which complies with all the applicable technical requirements of Handbook 44 while possessing the ability to last decades under extreme abuse. This exclusive design is so impressive that these hardy models currently have a patent pending and carry a 5-year North American warranty.

Under NTEP Certificate Number 07-017, two of our 1mg Zeta models now carry the NTEP non-computing jewelry scale, Accuracy Class II designation. Each robust model can accurately display five different units of measure quickly and easily. Each unit can be sealed off with a metrological seal by a State Weights and Measure inspector to prevent undetected access to the calibration function of the scale as well as possessing a tamper proof badge for all required information.

In addition, each unrivaled Zeta NTEP model is handcrafted in the USA and retains all the accuracy, durability, and user-friendly standard features you have come to expect from Scientech. Also you will be assured by knowing that you are backed by an ISO9001 manufacturer.

ZETA SERIES Specifications

Model	ZSP150-NJ	ZSP400-NJ
NTEP certified #07-017	Gem legal-for-trade	Gem legal-for-trade
Accuracy class	II	II
Weighing mode	Single range	Single range
Capacity and readability	150g where d=0.001g, e=0.01g	400g where d=0.001g, e=0.01g
	150ct where d=0.001ct, e=0.01ct	400ct where d=0.001ct, e=0.01ct
	96.4dwt where d=0.001dwt, e=0.01dwt	257dwt where d=0.001dwt, e=0.01dwt
	4.8ozt where d=0.0001ozt, e=0.001ozt	12.8ozt where d=0.0001ozt, e=0.001ozt
	5.3oz where d=0.0001oz, e=0.001oz	14.1oz where d=0.0001oz, e=0.001oz
Repeatability (one std dev)	1.5mg	1.5mg
Linearity	+/- 1.5mg	+/- 1.5mg
Tare range	0-150g	0-400g
Stabilization time	User selectable	User selectable
Weighing speed	Adaptive	Adaptive
Units of measure	grams, carats, pennyweight, oz, troy oz	grams, carats, pennyweight, oz, troy oz
Data interface	RS232 bidirectional	RS232 bidirectional
Baud rates	300, 600, 1200, 2400, 4800, 9600, 19,200	300, 600, 1200, 2400, 4800, 9600, 19,200
Weighing pan size	Circular, 4.5" diameter	Circular, 4.5" diameter
Windscreens (std) (inches)	Circular, 6" diameter x 3.5" H	Circular, 6" diameter x 3.5" H
Windscreens (opt) (inches)	7.5" W x 8.25" D x 9.5" H	7.5" W x 8.25" D x 9.5" H
Power supply	Auto switching 115/230VAC, 50-60Hz +/-10%	Auto switching 115/230VAC, 50-60Hz +/-10%
Calibration weight (opt)	100g or 150g	200g or 400g
Housing dimensions (inches)	7.5" W x 11.25" D x 3.25" H	7.5" W x 11.25" D x 3.25" H
Weight	9.5 lbs	9.5 lbs

STANDARD FEATURES

- ▶ GLP/GMP/ISO compatible
- ▶ RS232 data interface
- ▶ Auto zero tracking
- ▶ Built-in security bracket
- ▶ Dynamic weighing
- ▶ Selectable filtering

SPECIAL FEATURES

- ▶ Capacity tracker
- ▶ Stability indicator
- ▶ Check weighing
- ▶ Percent weighing
- ▶ Multiple units of measure

OPTIONAL Accessories



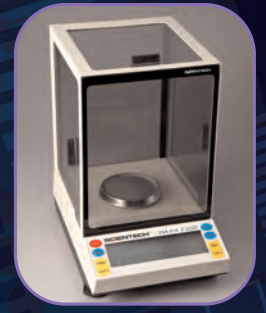
Carat Pan
Part #7621



Gem Pan
Part #7260



Chain Pan
Part #2991



Windscreen
Part #5000-61

SCIENTECH®

Electronic Weighing * Laser Power/Energy Measurement

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