Avery Weigh-Tronix



LOW CAPACITY DIGITAL BENCH BASES





Technical Specification

DESCRIPTION

The 1 kg and 5 kg BSQ is a high resolution, digital bench base with up to 1 billion internal count resolution, a readability of over 2.5 million divisions. This robust digital bench base features some of the very latest, state of the art suspended Quartzell technology, guaranteeing repeatable balance accuracy at all times.

A rugged die-cast, clamshell case provides outstanding protection to the internally mounted Quartzell transducer. Its specially designed suspension system protects the Quartzell transducer from damage and offers up to 1100% overload protection.

Weighing in oily environments

Features built-in drip pathways to help channel all unwanted dirt and cutting fluids away from critical areas within the base.

Optional draught shield

A draught shield option allows increased accuracy when weighing minute items.

Optional underhook

A quick-fit underhook enables items to be suspended under the bench base, for density weighing applications.

SPECIFICATIONS

GENERAL

GENERAL									
Indicator Compatibility	ZM400 and ZM500 series of indicators								
Connectivity	Base connection to the indicator can be achieved by either RS232 to indicator or PC terminal (for custom application software only). 1 x RS232 (via a Keyed RJ45 socket). 1 x USB VCP Count Data (SMA , 115200, 8 data bits, none, 1 stop bit) or PC terminal								
Base Communication									
Allowable Cable Length	RS232 up to 50 ft (15 M) USB up to 10 ft (3 M)								
Power	Base is powered from the indicator								
Base Size & Max Capacity	From 100 g to 1000 g to 230 mm x 305 mm base housing with a 156 mm dia. weight platter From 500 g to 5000 g to 230 mm x 305 mm base housing with a 156 mm dia. weight platter								
Displayed Resolution	Can resolve up to 10,000,000 divisions								
Legal for Trade Resolution	1 kg base: 10,000 divisions single range with a min 0.1 g (not OIML approved) 5 kg base: 10,000 divisions 3 range with a min 0.1 g								
Non Legal for Trade Resolution	100,000 divisions center of pan, stable room temperature								
Readability	1 kg base: up to 2,000,000 divisions 5 kg base: up to 2,500,000 divisions								
Internal Resolution	1 billion counts (1,000,000,000 counts)								
Filter Setting	Controlled within the ZM indicator								

BSQ LOW CAPACITY DIGITAL BENCH BASES Technical Specification

GENERAL

Creep	0.001% of 100,000 divisions over a 30 minute time span or 0.0005% of 200,000 divisions over a 5 minute time span								
Minimum Recommended Non Legal for Trade Division Size	0.0005 g for the 1 kg BSQ base 0.002 g for the 5 kg BSQ base								
Minimum Allowed Legal for Trade Division Size (Class III)	0.1 g for the 5 kg BSQ base (10,000d approved) 3 multi range								
Metrology Data	Stored within the indicator								
Base Construction	Robust die-cast clamshell base design with a centrally positioned suspended digital QDT cell with built-in anti-shock flex suspension, 4 adjustable anti-slip feet and a lipped stainless steel weigh platter								
Loadcell Technology	High accuracy digital Quartzell transducer								
Overload Protection	1100% overload protection based off the 10 lb (5 kg) construction								
Operating Temperature	41° F to 104° F / +5° C to 40° C (approvals) at 10 to 90% humidity -4° F to 140° F / -20° C to 60° C (industrial) at 10 to 90% humidity								
Foot Adjustment	Hard wearing anti-slip rubber foot with finger grip locking ring to allow up to 0.75" (19 mm) height adjustment								
IP Rating	Designed to meet IP42								
Carry Handles	Carry handles allow this scale base to be easily moved								

OPTIONS

Draught Shield	1-5 kg, allows access from all 4 sides
Underhook	Only available on the 1-5 kg versions
Base Column	380mm or 585mm high ZM indicator to BSQ base column (only suitable for use with ZM400 series indicators)

APPROVALS

NTEP (US) Class III/IIIL 10,000 d (CC# 15-028) Agencies Measurement Canada (AM-5985)

OIML (European and UK) Class III 10,000 EC UL/c-UL-US

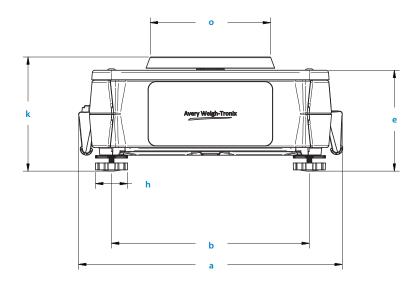






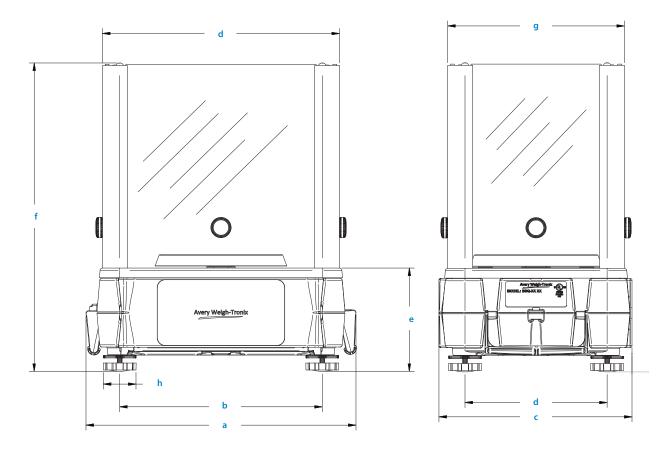


					Max	Min	Max	Mir	1		Max	Min			Max	Min	
DIMENSIONS (millin	meters)																
Base Size	а	b	С	d	(e f		f	g	h	k		I	m	n		0
230mm x 305mm	343	254	241	241	178	123	399	381	221	41	159	140	19	140	208	189	152

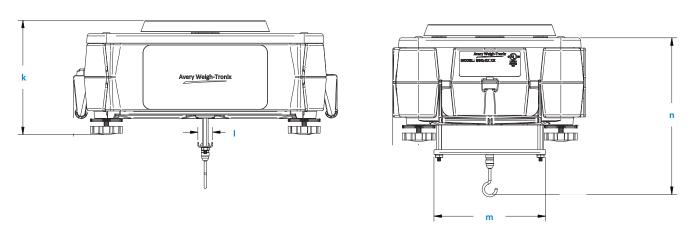




DRAUGHT SHIELD OPTION



UNDERHOOK OPTION



Avery Weigh-Tronix

www.averyweigh-tronix.com

- Avery Weigh-Tronix is an ITW company

