



Scaleton™
Sets The Standard
In Corrosion
Resistance

Model 4000SS™ Gas Cabinet, Dewar & Cylinder Scale

- Designed for weighing dewars and cylinders in gas feeding applications
- Independent weighing platform with digital liquid crystal display
- Base sizes: 24"x24", 30"x30"
- Gross capacity range: Up to 1000 lbs. (453.6 kg)
- High accuracy of $\pm 0.5\%$ of capacity
- Standard indicator: 3-1/2 digit LCD display with easy readability to 1 lb. (kg) or 0.1 lb. (kg)
- Readout in pounds or kilograms
- Sturdy and accurate four point suspension on the weighing platform



3-1/2 Digit Controller
(Standard)

4-1/2 Digit Controller
(Optional)

1020 5 Digit
Controller (Optional)

1099 Chemical
Process Controller (Optional)



5 YEAR
FULL
WARRANTY
ON ALL PRODUCTS

Standard Features

- Rugged corrosion resistant stainless steel construction for use in harsh environments
- Low profile platform design increases safety and ease of cylinder handling
- Electronic indicator housed in NEMA 4X, UL approved enclosure to provide protection from acids
- Temperature compensated load cell
- Self-locking tare adjustment knob
- 4-20 mA output signal – scale or loop powered
- 12 ft. of 4 conductor wire cable

Options

- Low level relay contacts
- 4-20 mA direct output in lieu of controller
- 4-1/2 digit display with active and passive 4-20 mA, 0-20 mA, and -8 to +12 mA, and two adjustable low level contacts
- Model 1020™ 5 digit controller with loop powered 4-20 mA, up to four adjustable set points and one or two channels
- Model 1099™ Chemical Process Controller
- Remote mounting of indicator box up to 200 feet (61 meters) away
- Junction box - Additional length of wire cable

Chemicals

Scale is designed to accurately measure weight of ammonia, carbon dioxide, hydrogen chloride, liquefied chlorine, sulfur dioxide and other liquid gases

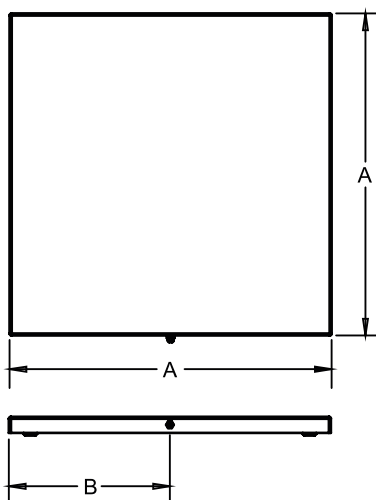
Scaleton Industries Ltd.

Bedminster Industrial Park
53 Apple Tree Lane • P.O. Box 365
Plumsteadville, PA 18949 • USA

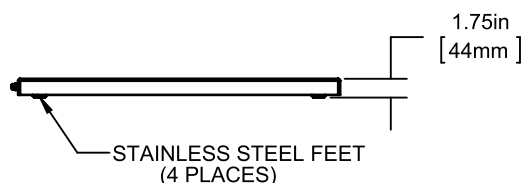
Tel: (+1) 215-766-2670 (International)
Tel: (+1) 800-257-5911 (USA & Canada)
Fax: (+1) 215-766-2672

Email: info@scaletonscales.com
Website: www.scaletonscales.com

Model 4000SS™ Gas Cabinet, Dewar & Cylinder Scale General Specifications



DIMENSIONS		
LETTER	24 INCH MODEL	30 INCH MODEL
A	24.0" [610mm]	30.0" [762mm]
B	12.0" [305mm]	15.0" [381mm]



Indicator:	3-1/2 Digit	4-1/2 Digit	1020™	1099™ C.P.C.
Platform Size:	24"x24"x1-3/4" (609.6 mm x 609.6 mm x 44.5 mm), 30"x30" x1-3/4" (762 mm x 762 mm x 44.5 mm)			
Platform Height:	1-3/4" (44 mm)			
Gross Capacity:	Up to 1000 lbs. – custom capacities available			
Accuracy:	0.5% of full capacity		0.1% - 0.25% full capacity	
Resolution:	0.1 up to 199.9, or 1.0 over 200 lbs. (kg)		0.1 up to 999.9, or 1.0 over 1000 lbs. (kg)	
4-20 mA:	Standard – scale or loop powered		Standard on Channel 1, Optional on Channel 2 – loop powered	Standard on Channel 1 – loop powered (available for Channels 2 thru 4)
Level Indication/ Relay Contacts:	Optional	(2) Standard	Optional – Up to 4 (as high or low) on one channel or more than one per channel for a total of 4 set points with relay contract	
Power:	85 VAC to 265 VAC	120VAC, 50/60 Hz, 0.3A 240VAC, 50/60Hz, 0.15A	85VAC to 265VAC	
Enclosure:	NEMA 4X, UL Approved Enclosure			
Shipping Weight:	15"x15" = 25 lbs.; 24"x24" = 60 lbs.; 30"x30" = 70 lbs.			

Typical Specifications

The Gas Cabinet, Dewar & Cylinder Scale must be constructed of all heavy gauge stainless steel. All hardware shall be stainless steel to prevent corrosion. The profile shall not exceed 1.75 inches (44.5 mm) so as not to require a pit or ramp. The load cell must be NTEP approved. Base must be fully electronic with no mechanical lever system to corrode.

Scale shall be a Model 4000SS™ as manufactured by Scaleton Industries Ltd., Plumsteadville, PA.

**5 year FULL warranty
on ALL products!**

STANDARD INDICATOR:

3-1/2 Digit LCD Indicator: Indicator must be electronic with digital display with characters 0.5 inches high, with 0.1 lb. / 1 lb. or 0.1 kg / 1 kg resolution depending on capacity. Indicator must be housed in a NEMA 4X, UL approved enclosure. Indicator is required to have 4-20 mA output selectable as scale powered or loop powered, standard. Indicator must have a knob to set tare weight. Accuracy is 0.5% of full scale, or better.

OPTIONAL INDICATORS/CONTROLLERS:

4-1/2 Digit LED indicator: Indicator must be electronic with digital display with characters 0.56 inches high and housed in a NEMA 4X, UL approved enclosure. An output of 4-20 mA, 0-20 mA, or -8 to + 12 mA, selectable as scale or loop powered to provide versatility to interface with related equipment, must be standard equipment. Indicator comes with two low level relay contacts, standard. A knob to set tare weights is required. Indicator must be capable of 0.1 lb. or 0.1 kg up to 1000.0 lbs. or kg. Accuracy is 0.5% of full scale, or better.

Model 1020™ 5 Digit Controller: Controller must be electronic with a two line, backlit alphanumeric digital display and housed in a NEMA 4X, UL approved enclosure. Available as single or dual channel and capable of displaying two channels simultaneously. A loop powered programmable output of 4-20 mA must be standard equipment. Up to four set points per channel must be available as an option. Indicator must be capable of 0.1 lb. or 0.1 kg up to 1000.0 lbs. or kg. or up to 2000 lbs. in 1.0 lb. or 1.0 kg increments. Accuracy is 0.25% of full scale, or better.

Model 1099™ Chemical Process Controller see separate specification.