



MODEL 2350™ DIGITAL DUAL CYLINDER SCALE

- Solid - state operation by strain gauge transducer
- Electronics housed in NEMA 4x, UL approved enclosure to provide protection from acids
- Low profile platform design increases safety and ease of cylinder handling
- Two independent weighing platforms and digital liquid crystal displays
- Standard readability to 0.1 pounds (kilograms)
- High accuracy of $\pm 0.5\%$ of capacity
- Readout in pounds or kilograms
- Indicator can be integral or remote mounted up to 200 feet (61 meters) away
- Corrosion resistant base of molded fiberglass reinforced thermoplastic construction
- Measures weight of liquefied chlorine, sulfur dioxide, ammonia, hydrogen chloride, carbon dioxide and other liquid gases
- Self-locking knobs for adjusting tare weight
- Output 4-20 mA signal for permanent recording
- Optional low level relay contacts
- Model 1099™ Chemical Process Controller as optional indicator to create The Total Electronic SystemSM
- Patented



The **Model 2350™ Digital Dual Cylinder Scale** provides a means of measuring the weight of liquefied gas under pressure, in order to determine a cylinder's content level. It is intended for use in chlorination and other gas feeding applications. More specifically, the Model 2350™ can be used to weigh liquefied chlorine, sulfur dioxide, ammonia, hydrogen chloride, or carbon dioxide packaged in cylinders.

The scale combines solid-state operation with a highly functional design. It features two independent liquid crystal displays (LCDs). The latter can be provided as integral on the pedestal or separately for remote mounting up to 200 feet (61 meters) away. The platforms have an extremely low profile for increased safety and ease of cylinder handling. The LCDs are large and readable to 0.1 lb. (0.1 kg) from up to 10 feet (3 m) away.

The Model 2350™ plugs into a wall power source and operates on 120 or 240 VAC, 50/60 Hz. Gas cylinders are easily rolled onto two weighing platforms and held in place by two restraining chains. As the gas in each cylinder is used, the LCDs will continuously indicate the amount of gas remaining. Two adjustable, self-locking knobs are provided so the operator can pre-set the tare weight or set the known weight of 150 lbs. (68 kg) per cylinder.

Capacity ranges for each platform are as follows:
Gross, 0-349 lbs. (0-158 kg); Tare, 0-150 lbs. (0-68 kg) and Product, 0-199 lbs. (0-90 kg).

For operation, the scale employs temperature compensated strain gauge transducers. It offers high accuracy of $\pm 0.5\%$ of capacity.

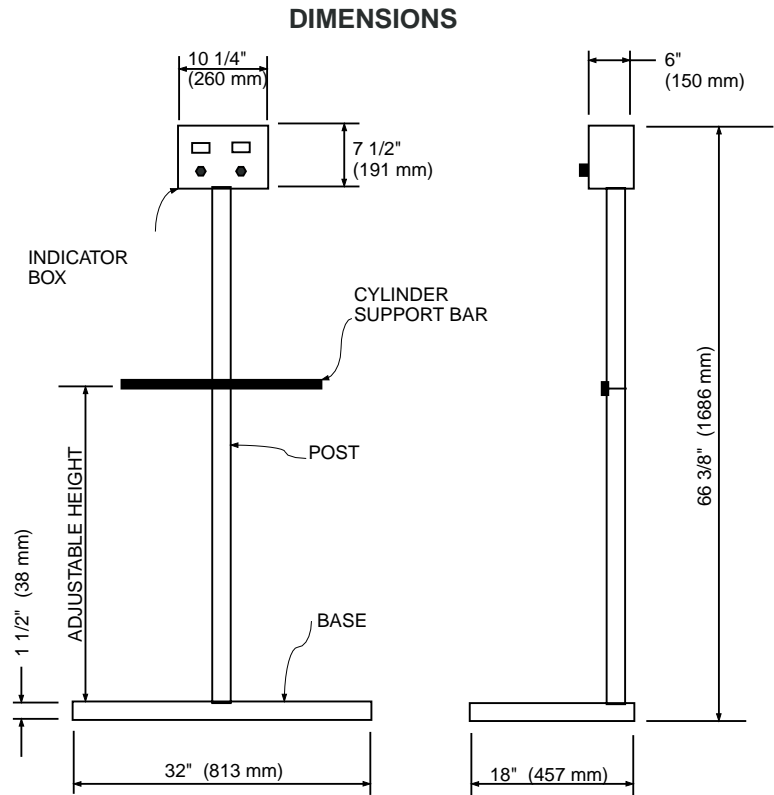
Each weighing platform of the Model 2350™ has sturdy three point suspension and is built ruggedly for use in harsh environments. Scale base is made of corrosion resistant molded fiberglass reinforced thermoplastic. Display electronics are housed in NEMA 4x, UL approved enclosure to provide protection from harsh environments and prolong life of scale.

The Model 1099™ Chemical Process Controller is also available on this base, which allows the user to combine different bases to create a customized Total Electronic SystemSM. Please contact the factory for literature on the Model 1099™ Chemical Process Controller.

All of our indicators can be calibrated in pounds or kilograms.

MODEL 2350™ GENERAL SPECIFICATIONS

INDICATOR:	3-1/2 Digit	Model 1099™
POWER:	120 VAC, 50/60 Hz, 0.3 A 240 VAC, 50/60 Hz, .15 A	85 VAC to 265 VAC
PLATFORM HEIGHT:	1 1/2 inch high (38.1 mm)	
ACCURACY:	0.5% of full scale	
GROSS CAPACITY:	349 lb. (158 kg)	
RESOLUTION:	0.1 lb. (kg) to 199.9 lb	0.5% of full scale
4-20 mA:	Standard	Standard on Channel 1, (optional for Channels 2-4) Loop Powered
LEVEL INDICATING/ RELAY CONTACTS:	Optional Low Level REED Relay contact(s)	Optional - Up to 4 (as High, Low or Control) available on one channel, or more than one per channel for a total of 4 set points with Relay contact
ENCLOSURE:	NEMA 4x, UL Approved enclosure	
SHIPPING WT:	27 lb. (base & indicator) 15 lb. (post)	27 lb. (base & indicator) 15 lb. (post)
PLATFORM SIZE:	32 inch (815mm) wide, 18 inch (457.2mm) length	



STANDARD EQUIPMENT

- Dual scale base
- Electronic indicator housed in NEMA 4x, UL approved enclosure
- Two liquid crystal displays, one per each cylinder
- Stainless steel temperature compensated strain gauge transducers
- Self-locking tare adjustment knobs
- Cylinder support and chains
- 4-20 mA output

OPTIONS

- 2 Low level relay contacts
- 240 VAC power
- Remote mounting of indicator box
- Additional length of 8 conductor wire cable
- Model 1099™ Chemical Process Controller

TYPICAL SPECIFICATIONS

Scale must weigh two 150 lb. cylinders. The accuracy must be at least 0.5% with cylinders placed anywhere on platform. A digital readout with 0.1 lbs. or 0.1 kg as well as 4-20 mA output is required. All base hardware must be stainless steel. The post and cross bar shall be coated with dry powder polyester plastic. The indicator box must have a NEMA 4x, UL approved rating. The entire base must be molded fiberglass reinforced thermoplastic construction to prevent corrosion.

To use a Model 1099™ Chemical Process Controller with this Model 2350™ Dual Cylinder base, see individual Model 1099™ literature sheet for typical specifications.

Scale shall be a MODEL 2350™ as manufactured by Scaleton Industries Ltd., Plumsteadville, PA.

5 year FULL warranty on ALL products.

**Patented*

Design improvements may be made without notice.