



MODEL 2310™ DIGITAL 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
- Independent weighing platform with digital liquid crystal display
- 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
- Rugged construction of corrosion resistant solid gray PVC
- Measures weight of liquefied chlorine, sulfur dioxide, ammonia, hydrogen chloride, carbon dioxide and other liquid gases
- Self-locking knob for adjusting tare weight
- Output 4-20 mA signal for permanent recording, standard on all indicators
- Optional low level relay contacts
- Model 1099™ Chemical Process Controller as optional indicator to create The Total Electronic SystemSM
- Patented

The Model 2310™ Digital 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 2310™ 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 a cylinder weighing platform and a liquid crystal display (LCD). The indicator can be mounted on the wall near the platform or remotely up to 200 feet (61 meters) away. The platform has an extremely low profile for increased safety and ease of cylinder handling. The LCD is large and readable to 0.1 lb (0.1 kg) from up to 10 feet (3 m) away.

The Model 2310™ plugs into a wall power source and operates on 120 or 240 VAC, 50/60 Hz. Gas cylinders are easily rolled onto the weighing platform and held in place by a restraining chain. As the gas in each cylinder is used, the LCD will continuously indicate the amount of gas remaining. The adjustable, self-locking knob is provided so the operator can reset the tare weight or set the known weight of 150 lbs (68 kg) per cylinder.

Capacity ranges for each platform are as follows:

SCALETRON™ SETS THE STANDARD IN CORROSION RESISTANCE™



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 a temperature compensated strain gauge transducer. It offers high accuracy of $\pm .5\%$ of capacity.

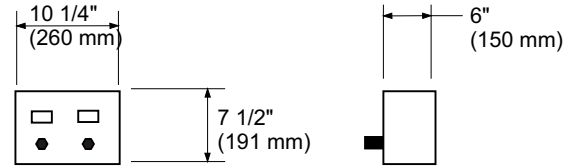
The Model 2310™ has sturdy three point suspension and is built ruggedly for use in harsh environments. Scale base is made of corrosion resistant solid gray PVC. Display electronics are housed in NEMA 4x, UL approved enclosure to protect them from harsh environments and prolong life of scale.

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.

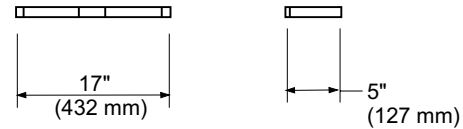
MODEL 2310™ GENERAL SPECIFICATIONS

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	0.1 lb. (kg) to scale capacity
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:	22 lb.	22 lb.
PLATFORM SIZE:	15-3/4 inch (400mm) wide, 17-1/2 inch (444mm) length	

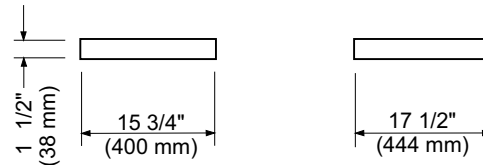
DIMENSIONS INDICATOR BOX



CYLINDER SUPPORT BAR



SCALE BASE



STANDARD EQUIPMENT

- Scale base
- Electronic indicator housed in NEMA 4x, UL approved enclosure
- Stainless steel temperature compensated strain gauge transducers
- Self-locking tare adjustment knob
- Cylinder support and chain
- 4-20 mA output
- 12 ft. of 4 conductor wire cable

OPTIONS

- Low level relay contact
- 240 VAC power
- Remote mounting of indicator box
- Additional length of 4 conductor wire cable
- Model 1099™ Chemical Process Controller

TYPICAL SPECIFICATIONS

Scale must weigh 150 lb. cylinder. The accuracy must be at least 0.5% with cylinder placed anywhere on the platform. Digital readout must be an LCD Display with characters that are 0.5 inches high, with 0.1 lb. or 0.1 kg. resolution. Indicator is required to have 4-20mA output selectable as scale powered or loop powered, standard. Indicator must have a knob to set tare weight. The electronics must be housed in a NEMA 4X, UL approved enclosure. All base hardware must be stainless steel. The cross bar shall be coated with dry powder polyester plastic. The entire base must be PVC to prevent corrosion.

To use a Model 1099™ Chemical Process Controller with this Model 2310™ Single Cylinder base, see individual Model 1099™ literature sheet for typical specifications.

The scale shall be a MODEL 2310™ as manufactured by Scaleton Industries Ltd., Plumsteadville, PA.

5 year FULL warranty on ALL products.

*Patented

Design improvements may be made without notice.