

Model CS-200 Cylinder Scale

The only way to accurately measure a cylinder containing a liquefied gas (such as carbon dioxide, chlorine, propane, etc.) is by weight. This is because the cylinder pressure or vapor pressure of these gases remains constant as long as liquid is present in the cylinder. Therefore a pressure gauge, commonly used to measure the contents of nonliquefied gas cylinders, does not provide a means to measure the contents of cylinders containing liquefied gases.

The Model CS-200 cylinder scale is designed to accurately weigh product usage from a liquefied gas cylinder in plant and laboratory applications. It prevents the user from running out of gas in the middle of a process, or from returning partially full cylinders containing valuable product to the gas supplier.

The design of the CS-200 allows the user to subtract the tare weight (i.e. empty cylinder weight) by rotating the tare adjustment knob until the dial indicates the net contents of the cylinder. The scale's overall capacity of 300 pounds gross and 200 pound tare will accommodate most liquefied compressed gas cylinders.

Standard Features

- Low Profile Platform Height of 1 5/8" allows cylinders to be easily rolled on or off without lifting or using a cylinder ramp.
- Tare Adjustment Knob at the base of the indicator allows the operator to "zero off" the tare weight of the cylinder.
- Non-Corrosive Platform constructed of PVC plastic and sized to accept any cylinder from 7" to 14" OD.
- Explosion Proof, Hydraulic Load Cell System can be safely used with flammable and oxidizing products.
- Chaining Bracket with Integral Tool Rack provides for a safe installation by securing cylinder to a wall while providing spare hooks to serve as a tool rack for storing cylinder change-out tools.
- 4 1/2" Diameter Dial Indicator can be easily read from as far away as 10 feet.

Optional Features

- Reduced profile platform for use in GC Series Gas Safety Cabinets (contact your Advanced Representative for more information)

Specifications

Maximum Capacity:
Gross (Total) Weight: 300 lbs
Net (Product) Weight: 200 lbs
Tare (Empty Cyl.) Weight: 200 lbs

Standard Cylinder Sizes:
7" to 14" diameter

Accuracy: ±2 lbs.

Dial Size: 4 1/2"

Dial Increments: 1 lb

Tubing Length: 6 ft

Platform Size: 18 1/2" x 13 1/2" x 1 5/8"

Weight: 25 lbs

Materials of Construction

Platform: PVC (Type I, Class 1)

Load Cell: Aluminum and Stainless Steel

Tubing: PVC coated nylon

Dial Indicator: Cast Aluminum

Bracket: Aluminum

Chain: Galvanized Steel

Table I

Part No.
CS-200



CS-200 Cylinder Scale