

# CAPITAL CONTROLS®

## ADVANCE™ Series 1364B

### Electronic Dual-Platform

### Ammonia Cylinder Scale

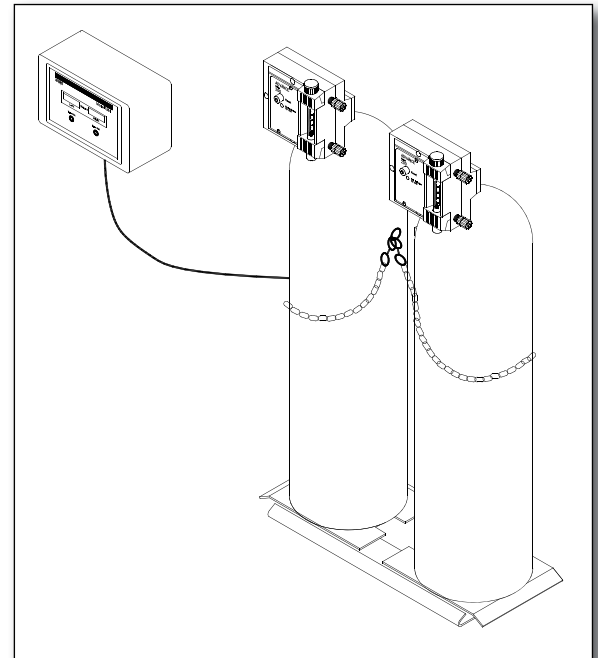
The ADVANCE® Series 1364B electronic dual-platform cylinder scale provides a highly accurate means of measuring and indicating the weight of ammonia in a gas cylinder.

The unique electronic design of the Model 1364B scale results in superior operating features such as  $\pm 0.5\%$  accuracy, 4-20 mA dc outputs, low weight alarms, and a remote indicator. Complete flexibility is provided to locate the weight indicator in a gas-free area away from the weighing base.

The electronic weight indicator contains independent tare adjustments of -180 pounds or -80 kilograms and a separate LCD display for each platform. Electronic displays feature 1/2" high characters for easy visibility. Jumpers allow easy selection of displayed weight in pounds or kilograms.

The weighing base consists of two platforms each with a gross weight capacity of 0-350 pounds or 0-158 kilograms. Low, rounded scale platforms provide for safe, easy-on/ easy-off movement of gas cylinders with no lifting. Built-in stops prevent overload damage. Unique weighing base design permits off-center cylinder placement with no loss of accuracy.

Scale design, materials selection and high-grade sealing compounds provide complete protection from moisture and corrosion.



- No lift, low profile platforms
- Extra large platforms for ammonia cylinders
- $\pm 0.5\%$  accuracy
- All-electronic measurement
- Local indicator with large, independent displays
- Low weight alarms and remote indicator
- Built-in stops prevent overload damage
- Standard 4-20 mA dc output



## TECHNICAL DATA

**Gross Capacity:** 0-350 pounds or 0-158 kilograms, each platform

**Cylinder Diameter:** 15" (381 mm) maximum

**Tare Capacity:** -180 pounds or -80 kilograms independently adjustable)

**Power Requirements:** 120 Vac or 240 Vac, 50/60 Hz, single phase

**Isolated Output Signal:** 4-20 mA<sub>dc</sub> into 800 ohms max

**Local & Remote Indicators:** LCD display with 1/2" high characters in pounds or kilograms

**Remote Indicator Input Signal:** 4-20 mA<sub>dc</sub> (150 ohm load)

**Accuracy:** ±0.5% of gross weight capacity

**Resolution:** 1 pound or 0.1 kilogram

**Maximum cable length between weighing base and electronics enclosure:** 150 ft. (45 m) with shielded cable

**Ambient Temperature:** 35°F to 110°F (2°C to 43°C)

**Electronics Enclosure:** NEMA 4X (IP65)

**Shipping Weight:** 75 lbs. (34 kgs)

**Options:** Low weight alarms and remote indicator

### Warranty and Capability

Severn Trent Services offers a one year warranty on Series 1364B cylinder scales.

Severn Trent Services is ISO 9001 certified to provide quality and precision materials. Disinfection technologies, water quality monitors and instrumentation for water and wastewater are areas of specialization. Over 35 years of industrial and municipal application experience in the water and wastewater industries is incorporated into the equipment design to provide high quality comprehensive solutions for the global market.

### Brief Specification

The electronic dual platform scale for ammonia cylinders shall consist of a dual platform weighing base and wall mounted weight indicator. Platforms shall be designed for up to 15 inch diameter cylinders. Each platform shall have a gross weight capacity of (350 pounds) (158 kilograms), and a tare weight capacity of (-180 pounds) (-80 kilograms). The scale shall be accurate to ±0.5% of the gross weight capacity. Resolution shall be (1 pound) (0.1 kilogram). Accuracy shall be maintained when cylinders are placed off-center on the platform.

Platforms shall be low profile with rounded edges for easy-on/easy-off movement of cylinders, Built-in stops shall be provided to prevent overload damage. The scale shall have separate 3 1/2 digit LED displays for each platform, readable from a distance of up to (10 feet) (3 meters). Weight indication shall be field configurable for pounds or kilograms.

Weight indicator electronics shall be housed in a NEMA 4X (IP65) enclosure. Separate 4-20 mA<sub>dc</sub> output signals shall be provided for each platform. Scale shall operate from a (120 Vac) (240 Vac) 50/60 Hz, single phase power source.

Optional low weight alarms for each platform, field adjustable between 0 and 20 pounds shall be supplied.

Optional remote weight indicator that operates from the 4-20 mA<sub>dc</sub> output signals without the need for a separate power source, and enclosed in a NEMA 4X (IP65) enclosure shall be provided

#### Severn Trent Services

3000 Advance Lane

Colmar, PA 18915

Tel +1 215 997 4000

Fax +1 215 997 4062

[marketing@severntrentservices.com](mailto:marketing@severntrentservices.com)

320.0020.5

OCT/10