



SINGLE CYLINDER SCALE MODEL ECS401
DUAL CYLINDER SCALE MODEL ECS402

ELECTRONIC CYLINDER SCALES

REGAL Series ECS Electronic Cylinder Scales are very important and recommended accessories that should be part of all REGAL Gas Feed System installations. REGAL Series ECS Scales are valuable diagnostic tools providing the user with instantaneous and accurate readings of Gross and Net cylinder weights on bright LCD displays.

The REGAL Model ECS401 is a Single cylinder scale while the Model ECS402 is a Dual cylinder scale. Cylinder restraining bars and chains are provided to keep cylinders in an upright position. Scale base(s) are solid PVC with a height of 1.5" above floor level for ease of cylinder loading and unloading.

Annunciator LEDs indicate event and programming conditions. 4-20 milliamp analog outputs are included for remote indication or data logging. Low Weight Alarm Relays are fully adjustable from the keypad.

STANDARD FEATURES

- Low profile base(s) for easy loading of cylinders.
- Solid PVC platform and stainless steel hardware.
- Low weight alarm relays.
- Scale platforms can easily accommodate Chlorine, Sulfur Dioxide or Ammonia cylinders.
- Stainless steel electronic strain gage load cells.
- Easy to read LCD displays.
- Bright LED program and event annunciators.
- All normal operator functions accessed from the front panel keypad.
- Auto zero feature with back-up pushbutton.
- Displays "Gross" or "Net" cylinder weight.
- Includes cylinder bar with cylinder restraining chain(s).
- 4-20 mA analog output.



DESIGN AND CONSTRUCTION

REGAL Series ECS Single and Dual Electronic Cylinder Scales offer a compact, efficient design consisting of solid PVC platforms that can easily accommodate Chlorine, Sulfur Dioxide or Ammonia 150 lb. gas cylinders. The PVC platform(s) can be easily tilted up to facilitate cleaning beneath the platform(s) when necessary.

Both Single and Dual REGAL Model ECS Scale Monitor(s) include state-of-the-art electronics in environment friendly NEMA 4X enclosures. Easy to read LCD displays present Gross or Net cylinder weights at the push of a keypad button while bright, easy to see, different color LEDs indicate programming and event conditions.

REGAL Series ECS Scales are fully calibrated when shipped from the factory. A quick and easy installation of the scale components plus simple wiring by a licensed electrician and step-by-step instructions make short work of installation and start-up.

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SPECIFICATIONS

Capacity

300 lbs/base

Cylinder Size

14" Dia. Max.

Accuracy

±1% F.S.

Overload Capacity

150%

Temperature Range

32°F to 120°F

Hook-Up Cable

10' Scale Base

Display

4-Digit LCD, 0.5"

Annunciators: Three

Display Updates: Four/Second

Weight Displays: Gross and Net

Auto-Zero Maintenance

±4-Graduations

Pushbuttons

3-4 Tactile Dome

Milliamp Output

4-20 mA (500Ω)

Isolated and Powered

Low Weight Relays

5A or better

Form: C (N/O & N/C)

Function: Low Weight Alm.

Load Cell Excitation

5 VDC

Power

115/230 VAC (must be specified when placing order)

Power Consumption

10 Watts

Fuse

1/4 Amp (115V)

1/8 Amp (230V)

CONTENTS GUIDE

REGAL Model ECS 401

Single Cylinder Electronic Scale includes:

1 each Single channel monitor with one (1) isolated and powered 4-20 mA output capable of driving into 500 Ohms

1 each Scale base with load cell and 10' of load cell cable, cylinder stop and mounting angle brackets

1 each Wall mounted cylinder bracket with cylinder restraining chain

1 each Instruction Bulletin ECS 401/402

Approximate Shipping Weight: 20 lbs.

REGAL Model ECS 402

Dual Cylinder Electronic Scale includes:

1 each Dual channel monitor with two (2) isolated and powered 4-20 mA outputs capable of driving into 500 Ohms each

2 each Scale bases with load cells and 10' of load cell cable per base, cylinder stops and mounting angle brackets

2 each Wall mounted cylinder brackets with cylinder restraining chains

1 each Instruction Bulletin ECS 401/402

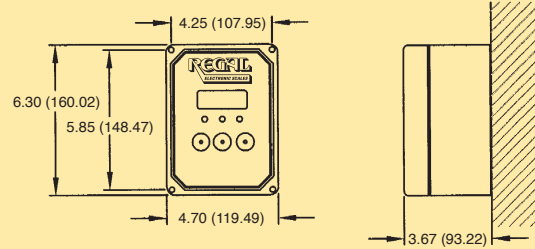
Approximate Shipping Weight: 36 lbs

AVAILABLE OPTION

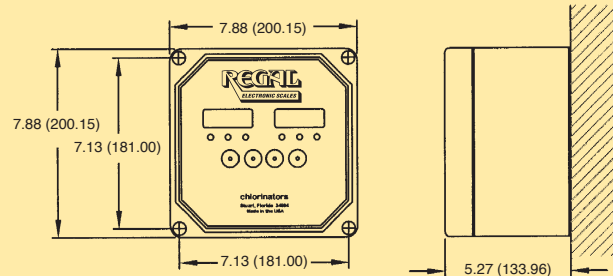
Additional Load Cell Cable

NOTE: Specify length required up to a maximum of 100'

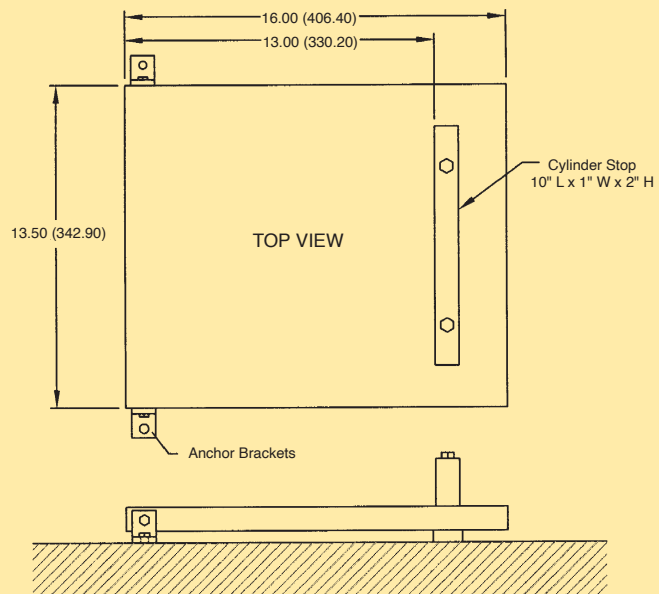
MODEL ECS401 SINGLE CYLINDER SCALE MONITOR



MODEL ECS402 DUAL CYLINDER SCALE MONITOR



CYLINDER SCALE MONITOR PLATFORM FOR ELECTRONIC SCALES



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