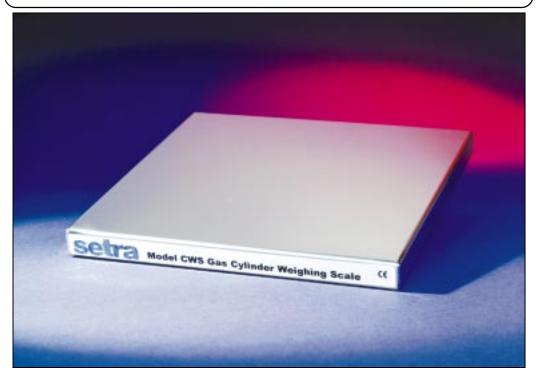
Model CWS 321

Gas Cylinder Weighing Scale

0 to 60, 300 Pounds 0 to 30, 135 Kilograms



etra Systems Model CWS 321 Gas Cylinder Weighing Scale is designed to weigh gas cylinders to within 0.10% accuracy, reducing gas replacement costs and shutdown time. Its compressed pivot design results in a low profile scale, ideal for easy gas bottle placement.

The multiple strain gauge element support eliminates off-center loading errors typical of single strain gauge element support scales. High resistance strain gauges, combined with an additional RFI shield, produce lower susceptibility to output noise and RFI error. The Model CWS 321 provides reliability, accuracy and maintenance-free performance.

Specifications

Performance Data

Accuracy	0.10% FS
Non-Repeatability	0.05% FS
Hysteresis	0.10% FS
Off Center Loading	0.10% FS
	(One-Half Scale Load at 1 inch)

150% FS

Overload Protection

Thermal Effects

+14 to +122 (-10 to +50)Compensated Range $\mathfrak{P}(\mathfrak{C})$ Zero shift %FS/100°F(50°C) $\pm 1.0\% (\pm 0.9\%)$ Span Shift %FS/1009F(50°C) $\pm 1.0\% (\pm 0.9\%)$ Long Term Stability 0.5% FS/1 YR

Environmental Data

Temperature

Operating F (°C) +14 to +122 (-10 to +50)Storage $\mathcal{F}(\mathcal{C})$ +14 to +140 (-10 to +60)

Specifications subject to change without notice. NOTE 1: Setra quality standards are based on ANSI-Z540-1.

Physical Description

Platform Size 9.25" (23.5 cm) x 9.25" (23.5 cm) Scale Height 0.97" (24.6 mm) Platform Material Stainless Steel Pan **Electrical Termination** 10 ft. Cable or End of Cable Bayonet Connector. Zero and Span Adjustments External to Case Weight 10 lbs. (4.5 kg)

Electrical Data (Current Output)

Circuit 2-wire Output 4-20 mA* 0 to 800 Ohms External Load Minimum supply voltage (VDC) = 15 + 0.02 x(Resistance of receiver plus line).

Maximum supply voltage (VDC) = 30 + 0.02 x(Resistance of receiver plus line).

*Zero and Span (Full Scale) Output factory set to within ±0.15% FS

A regulated power supply or a power supply with low ripple noise is recommended for best performance.

Application

 Designed to Weigh Gas Cylinders in Gas Cabinets and Gas Distribution

Features

- 0.1% FS Accuracy
- Low Profile for Easy Installation
- Excellent EMI/RFI **Immunity**
- External Zero and Span Access
- Meets

 Conformance **Standards**

When it comes to a product to rely on - choose the Model CWS 321. When it comes to a company to trust - choose Setra - an ESOP (Employee Owned) Company.

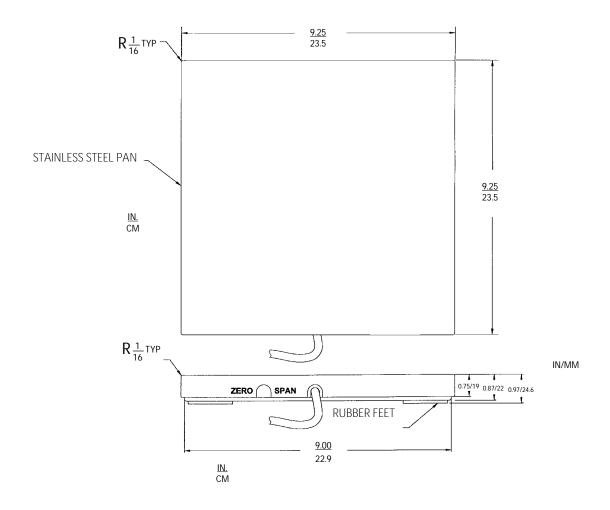


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Model CWS 321

Outline Drawings



ORDERING INFORMATION

Code all blocks in table.

Example: Part No. CWS1060P1104B1 for 0 to 60 Pounds, 4-20 mA Output, 4 Feet of Cable with an End of Cable Bayonet Connector.

