



**Precise Sensors**

*"Defining Higher Expectations"*

## Gas Cylinder Platform Scale

Series **6000**

### **Description**

The Series 6000 is an exceptional gas cylinder scale with a low profile platform and is offered in a robust corrosion-resistant 303 stainless steel housing. It is completely self-contained and can be operated with Precise Sensors' Model 4221 or 4222 Controller to provide the ultimate in gas cylinder event monitoring.



### **Features**

- Low profile, 1-inch height
- Proprietary sensor design
- Mechanical overload protection
- Totally self-contained electronics
- EMI/RFI Immunity
- Hazardous Location
- 303 Stainless Steel Construction

### **Benefits**

- Minimizes lifting of a cylinder onto the platform
- Yields a competitive price while maintaining high performance
- Protects scale against inadvertent cylinder mishandling
- Output Options: Current (mA) voltage (VDC)
- CE marked heavy industrial
- Designed to be intrinsically safe for Class I Divisions 1 & 2, Groups A,B,C,D (Agency Approval Pending)
- Corrosion Resistant

## Series 6000 Specifications @ 72°F (22°C)

|                                       |  |
|---------------------------------------|--|
| Size .....                            | 9 X 9 X 1 inch platform (22.86 X 22.86 X 2.54cm)                                   |
| Material .....                        | 303 Stainless Steel  |
| Standard Capacities .....             | 60, 100, and 300 lbs., (27, 45, 136 kgs.)<br>other capacities available on request |
| Usable Overload .....                 | 150% of capacity   |
| Mechanical Overload Protection .....  | Greater than 200% of rated capacity  |
| Accuracy:                             |  |
| Combined linearity & hysteresis ..... | Less than or equal to ± 0.10% of rated capacity                                    |
| Repeatability .....                   | Less than or equal to ± 0.05% of rated capacity                                    |
| Stability Under Load .....            | Less than or equal to ± 0.25% of Capacity / 30 Days at mid scale                   |
| Relative Humidity .....               | 0-95% R.H. Non-Condensing  |
| Operating Temperature Range .....     | 14°F to 150°F, (-10°C to 65°C)   |
| Thermal Error .....                   | ± 1.5% of capacity over operating temperature range                                |
| Supply Voltage .....                  | 10-30 VDC unregulated  |
| Electrical Termination .....          | 15 ft. pigtail, exits from rear center of scale                                    |
| Circuit Protection .....              | Reverse polarity protection  |
| CE Approval .....                     | Conforms with IEC standards EN 55011:1991 Class A and<br>EN 50082-2:1995           |

### Current Output Specification

|                           |                                    |
|---------------------------|------------------------------------|
| Current Output .....      | 4 to 20 mA                         |
| Current Limiting .....    | 35 mA typical                      |
| Power Supply Effect ..... | Less than ± 0.015% per volt change |
| Loop Resistance .....     | 0 ohms @ 10 VDC to 1K ohms @ 30VDC |

### Voltage Output Specification

|                           |                                    |
|---------------------------|------------------------------------|
| Signal Output .....       | 0.1-5.0 VDC                        |
| Load Resistance .....     | 2500 ohms minimum                  |
| Power Supply Effect ..... | Less than ± 0.010% per volt change |
| Supply Current .....      | 5 mA DC typical (Quiescent)        |

## How to order

**Example:** 600 1 300 20 15

