Gas Cylinder Scale - for the level measurement of liquid gases

The new Gas Cylinder Scale has been added to WIKA's UHP product portfolio, making WIKA a single source supplier for UHP level and pressure measurement. The Gas Cylinder Scale has been designed to measure the level of gases which are stored in a liquified state. This is accomplished by measuring the weight since the pressure of the liquid gas remains constant. The level of gases which are stored in a gaseous state is measured via the pressure (e.g. using WIKA pressure transducers from the WU family).

Special Features

- Low profile (height approx. 32 mm)
- High EMI requirements
- Robust with long-term stability
- Corrosion resistant due to stainless steel materials
- High accuracy despite off-center loads
- High ingress protection (IP 65)
- High overload protection
- Complete level measurement
Specifications

- **Ranges:**
  - 0 … 300 lbs (0 … approx. 136 kg)
  - 0 … 100 lbs (0 … approx. 45 kg)
  - 0 … 60 lbs (0 … approx. 27 kg)
  - Others on request

- **Signal output:**
  - 4 … 20 mA

- **Total error:**
  - < +/- 0.1 % Full Scale (0.05 % BFSL) with -10…50°C

- **Long-term stability:**
  - < +/- 0.05 % / 30 days

- **Adjustability zero/span:**
  - +/- 5 % of span protected by a screw cap

- **Electrical connection:**
  - 2-wire flying leads with 6 m of cable (20 ft)

- **EMI conformity:**
  - IEC 61000-4-3 30 V/m, IEC 61000-4-6 10 V

- **Overload protection:**
  - > 2.5 x Full Scale

- **Execution:**
  - Square top and base plate of stainless steel

- **Dimensions:**
  - 235 mm x 235 mm x 32 mm (9.25” x 9.25” x 1.25”)

Applications

- **Target markets**
  - Semiconductor industry (High purity media)
  - Laboratories (High purity media)
  - All applications with liquid gas

Accessories: Digital Indicators

- **WIKA Gas Cylinder Scale with Digital Indicator DI25 / DI30**

Contact

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Approvals

- **International approvals**
- **ATEX Zone 2 with -10…50°C** available from May 2006