

A self-contained, mercury-free and nitrogen-free complete bubbler apparatus designed for low maintenance water level measuring.

Accubar Bubble Gauge 5600-0131-3, -4

Wireless Version Available

Applications

- Stream Gauging Station
- Lake Level Monitoring Station
- Portable Flood Warning Station
- Wastewater Lift Station Monitoring
- Ground Water Monitoring

The Accubar Bubble Gauge tracks rapid level changes by purging the orifice line prior to each measurement which eliminates the time lag produced by constant bubble rate systems when water levels rise rapidly.

Using the Sutron Accubar® Gauge Pressure Sensor as the controlling and sensing element, the Accubar Bubbler is an **exceptionally stable and highly accurate** water level measuring device.

- Low Maintenance Water Level Monitoring
- SDI-12
- Temperature & Pressure in One Measurement
- New Commands
- Supports Averaging
- Additional Operating Modes
- Outperforms Constant Bubble System
- Gives Real-Time Readings Right Now - not in 15 minutes
- Quickest Response to Change in Water Levels

Ordering

PART NUMBER

| | |
|-------------|---------------------------------------------------------|
| 5600-0131-3 | Accubar Bubble Gauge with SDI-12 and quadrature outputs |
| 5600-0131-4 | Accubar Bubble Gauge with SDI-12 and analog outputs |

ACCESSORIES

| | |
|-----------|------------------------------------------------------------------------|
| 2911-1183 | Tubing, Orifice Line Black Polyurethane up to 2000 feet (609.6 meters) |
| 2911-1184 | Replacement Desiccant, full canister |
| 7191-1003 | Refill Desiccant for 2911-1184 |



Specifications

Specifications subject to change without notice

ELECTRICAL

| | |
|-------------------|------------------------------------------------|
| Power Required | 8-16VDC |
| Control Interface | SDI-12 |
| Outputs | SDI-12, Quadrature (-3 only), Analog (-4 only) |
| Current Use | ~25mA/24 hrs average |

(based on 10 sec. pump on, 15 min. log w/10 ft. head of water)

| | |
|-------------------|------------------------------|
| Quiescent Current | <1 mA (-3 & -5) 8 mA (-4) |
|-------------------|------------------------------|

PNEUMATIC

| | |
|-----------------|----------------------------------------------|
| Pressure Range | 0-22 psi |
| Accuracy | 0-10 ft. 0.02% FSO 10-50 ft. 0.1% of reading |
| Resolution | 0.0001 psi |
| Purge Pressure | 35 psi max. |
| Purge Rate | User Programmable |
| Compressor Type | Piston and cylinder compressor |

MECHANICAL

| | |
|-----------------|---------------------------|
| Enclosure | NEMA-4 fiberglass |
| Dimensions | 12 in. x 15 in. x 7.5 in. |
| Connections | 9 position terminal block |
| Pressure Outlet | 3/8 in. O.D. tubing |

ENVIRONMENTAL

| | |
|-------------|----------------------|
| Temperature | -40°C to +65°C |
| Humidity | 0-95% non-condensing |



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