

Self-Contained, Mercury-Free & Nitrogen-Free Complete Bubbler Apparatus for Low Maintenance Water Level Measuring

Accubar Bubble Gauge

56-0131-50



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	0-50 psi; 115 ft (35 m)
Accuracy	0.05% FSO (-40°C to +60°C) Including any linearity, pressure hysteresis & temperature errors Higher accuracy available on request.
Resolution	0.0001 psi
Purge Pressure	greater than 50 psi
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 +60°C
Humidity	0-95% non-condensing

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**

Applications

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

Ordering

Part Number	Description
56-0131-50-1	Accubar Bubble Gauge with SDI-12 and quadrature outputs
56-0131-50-2	Accubar Bubble Gauge with SDI-12 and analog outputs
Accessories	Description
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



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8/26/2011