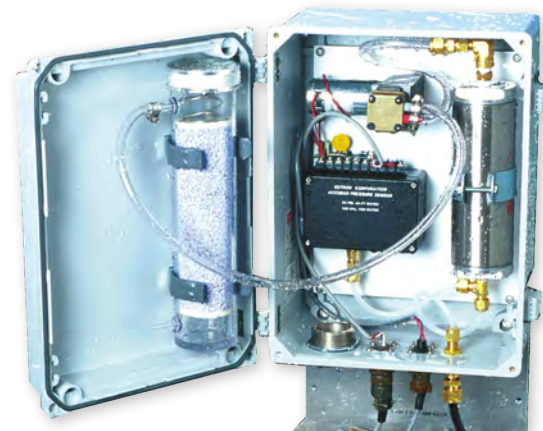


Accubar Bubble Gauge

5600-0131-50-1, 5600-0131-50-2



SPECIFICATIONS		
<i>Specifications subject to change without notice</i>		
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 & Cylinder	
MECHANICAL		
Enclosure	NEMA-4 fiberglass	
Connections	9 position terminal block	
Pressure Outlet	3/8 in. O.D. tubing	
ENVIRONMENTAL		
Operating Temperature	-25°C to +60°C standard	
Humidity	0-95% non-condensing	
DIMENSIONS		
	Device w/o Shipping	Shipping Dimensions
Height	12" (30.5 cm)	20" (50.8 cm)
Length	15" (38.1 cm)	15" (38.1 cm)
Width	7.5" (19.0 cm)	10" (25.4 cm)
Weight	16.45 lbs. (7.5 kg)	20 lbs. (9.1 kg)
ORDERING		
5600-0131-50-1	Accubar Bubble Gauge with SDI-12 and quadrature outputs	
5600-0131-50-2	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	



OVERVIEW

The Accubar Bubble Gauge is a self-contained, mercury-free and nitrogen-free complete bubbler apparatus designed for low maintenance water level measuring.

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

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

FEATURES

- ▶ Low Maintenance Water Level Monitoring
- ▶ SDI-12
- ▶ Temperature & Pressure in One Measurement
- ▶ New Commands
- ▶ Supports Averaging
- ▶ Measures in tenths of a second
- ▶ 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