Accubar Bubble Gauge
5600-0131-3, -4

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

PNEUMATIC	
Pressure Range	0-22psi
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 & cylinder compressor

MECHANICAL	
Enclosure	NEMA-4 fiberglass
Connections	9 position terminal block
Pressure Outlet	3/8 inch 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	
5600-0131-3	Accubar Bubble Gauge w/SDI-12, quadrature outputs
5600-0131-4	Accubar Bubble Gauge with SDI-12, 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
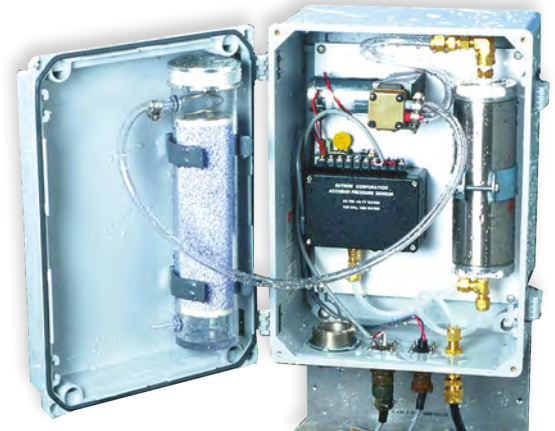
APPLICATIONS

▸ 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, 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

▸ Additional Operating Modes

▸ Outperforms Constant Bubble System

▸ Real-Time Readings Right Now - not 15 min.

▸ Quickest Response to Change in Water Levels