

Water Level Dataloggers	Model 3001 Levelogger Edge 	Model 3500 AquaVent 
Level Sensor	Piezoresistive Silicon with Hastelloy Sensor	Piezoresistive Silicon with Hastelloy Sensor
Sensor Type	Absolute	Gauged (Vented)
Ranges	5, 10, 20, 30, 100, and 200 m	5, 10, 20 m
Accuracy	±0.05% FS (lifetime calibration) (+Barologger inaccuracy)	±0.05% FS (lifetime calibration)
Units of Measure	cm, m, ft, psi, kPa, bar (°C, °F)	cm, m, ft, psi, kPa, bar (°C, °F)
Normalization	Automatic Temperature Compensation	Automatic Temperature Compensation
Temp Compensation Range	0°C to 50°C	0°C to 50°C
Barometric Compensation	Barologger Edge and Software Data Wizard	Automatic via vent tube
Temperature Sensor	Platinum Resistance Temperature Detector (RTD)	Platinum Resistance Temperature Detector (RTD)
Accuracy	±0.05°C	±0.05°C
Resolution	0.003°C	0.003°C
Battery	Built-in lithium battery	4 x 1.5V AA lithium, user-replaceable in Wellhead
Battery Life	10 years based on 1 reading every minute	8 years based on 1 reading every minute
Clock Accuracy	±1 minute/year (-20°C to 80°C)	±1 minute/year (-20°C to 80°C)
Operating Temperature	-20°C to 80°C	-20°C to 80°C
Maximum Readings	40,000 readings in FRAM memory, or up to 120,000 using linear data compression	40,000 readings in FRAM memory, or up to 120,000 using linear data compression
Memory	Slate or Continuous	Slate or Continuous
Communication	Optical Infra-red: Solinst RS-232 9600 bps, 38,400 bps with USB optical reader, 1200 baud SDI-12	9600 bps Solinst USB, 1200 baud SDI-12, Modbus RS-485/RS-232 (various speeds)
Size	7/8" x 6.25" (22 mm x 159 mm)	7/8" x 7" (22 mm x 178 mm)
Weight	4.6 oz. (129 grams)	4.6 oz. (129 grams)
Corrosion Resistance	Hastelloy pressure sensor, Titanium ceramic PVD coating	Hastelloy pressure sensor
Wetted Materials	Hastelloy, 316L Stainless Steel, Delrin®, Viton®, Titanium ceramic PVD coating	Hastelloy, 316L Stainless Steel, Delrin®, Viton®
Programming Options	Levelogger PC Software, Solinst Levelogger App	Levelogger PC Software, Solinst Levelogger App
Sampling Mode	Linear, Event & User-Selectable with Repeat Mode, Future Start, Future Stop, Real-Time View	Linear, Event & User-Selectable with Repeat Mode, Future Start, Future Stop, Real-Time View
Measurement Rates	1/8 second to 99 hours	1/8 second to 99 hours
Deployment Options	Stainless steel cable, Kevlar cord, Direct Read Cable, etc.	Vented Cable & AquaVent Wellhead (SP or SPX)
Data Collection Options:	Levelogger App Interface, DataGrabber, LevelSender, STS and RRL Telemetry	Levelogger App Interface, DataGrabber, LevelSender, STS and RRL Telemetry
Maintenance	Cleaning sensor, replacing o-rings	Cleaning sensor, replacing o-rings, checking vent tube (blow out fitting), no desiccants to replace
Applications	<ul style="list-style-type: none"> • deeper applications, higher fluctuations • when barometric data is required (barometric efficiency) • very humid conditions, risk of wellhead flooding • areas prone to long-term freezing conditions • hard to reach areas, cumbersome deployment 	<ul style="list-style-type: none"> • shallow applications, low fluctuations • surface water, wetlands • watershed monitoring • stormwater and flood monitoring • no option for Barologger deployment, or don't want extra step of data compensation