



Water Level Dataloggers	Model 3001 Levellogger 5 	Model 3250 LevelVent 5 
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 5 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	Built-in lithium battery
Battery Life	10 years based on 1 reading every minute	10 years based on 1 reading every minute
Clock Accuracy (typical)	±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	150,000 sets of readings	150,000 sets of readings
Memory	Slate or Continuous	Slate or Continuous
Communication	Optical high-speed: 57,600 bps with USB, 1200 baud SDI-12	9600 bps with USB
Size	22 mm x 160 mm (7/8" x 6.3")	22 mm x 173 mm (7/8" x 6.8")
Weight	166 grams (5.9 oz.)	182 grams (6.4 oz.)
Corrosion Resistance	Baked-on coating using polymerization technology (inside and out)	Baked-on coating using polymerization technology (inside and out)
Wetted Materials	Hastelloy, 316L Stainless Steel, Delrin [®] , Viton [®] , Regulator approved PFAS-free PTFE	Hastelloy, 316L Stainless Steel, Delrin [®] , Viton [®] , Regulator approved PFAS-free PTFE
Programming Options	Levellogger PC Software, Solinst Levellogger App	Levellogger PC Software, Solinst Levellogger App
Sampling Mode	Linear, Event & User-Selectable with Repeat & Pause Modes, Future Start, Future Stop, Real-Time View	Linear, Event & User-Selectable with Repeat & Pause Modes, 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 & LevelVent Wellhead
Data Collection Options:	Levellogger 5 App Interface, DataGrabber 5, LevelSender 5, STS 5 and RRL 5 Telemetry	Levellogger 5 App Interface, DataGrabber 5, LevelSender 5, STS 5 and RRL 5 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