

Model 3001	Levellogger Edge	Levellogger Gold
Backwards Compatible	YES	YES
Pressure Transducer	Piezoresistive Silicon with Hastelloy Sensor	Piezoresistive Silicon in 316L Stainless Steel
Calibrated Ranges	15, 30, 65, 100, 300 ft, Atmospheric Barologger 5, 10, 20, 30, 100 m, Atmospheric Barologger	15, 30, 60, 100, 300 ft., Atmospheric Barologger 5, 10, 20, 30, 100 m, Atmospheric Barologger
Accuracy (typical)	Levellogger Edge: $\pm 0.05\%$ FS Barologger Edge: ± 0.05 kPa	0.05% FS $\pm 0.010, 0.016, 0.032, 0.064, 0.328$ ft ($\pm 0.3, 0.5, 1, 1.5, \& 5$ cm) Barologger ± 0.003 ft (0.1 cm)
Resolution	24 Bit Resolution	M5/F15: 0.001 % FS, Other Ranges: 0.0006 % FS, Baro: 0.002% FS
Calibration	Factory – Lifetime calibration	Factory – Lifetime calibration
Response Time (90% Thermal Δ)	1 minute / 10°C change	1 minute / 1°C change
Temp Comp Range	Levellogger Edge: 0 to +50°C Barologger Edge: -10 to +50°C	10 to +40°C
Over-pressure Range	2 X	1.5 X
Temperature Sensor	Platinum RTD	Platinum RTD
Temperature Accuracy	$\pm 0.05^\circ\text{C}$	$\pm 0.05^\circ\text{C}$
Temperature Resolution	0.003°C	0.003°C
Operating Temp Range	-20 to +80°C	-20 to +80°C
Clock Accuracy	± 1 minute / year (-20 to +80°C)	± 1 minute / year
Battery Life	10 Years (based on 1 reading/minute)	10 Years (based on 1 reading/minute)
Size	7/8" x 6.25" (22 mm x 159 mm)	7/8" x 6" (22 mm x 154 mm)
Weight	4.6 oz (129 grams)	6.3 oz (179 grams)
Memory	40,000 Readings in FRAM Memory, or up to 120,000 Readings using data compression option	40,000 Readings in EEPROM Memory with redundant backup of last 1200 logs in FRAM
Logging Rates	0.125 sec to 99 hours	0.5 sec to 99 hours
Logging Modes	Linear, Event & User-Selectable Schedule with Repeat, Pause, Future Start, Future Stop, Real Time View	Linear, Event & User-Selectable Schedule, with Future Start, Real Time View
Barometric Compensation	High accuracy, air-only, Barologger Edge	High accuracy, air-only, Barologger Gold
Display Units	Levellogger Edge: cm, m, ft, psi, kPa, mbar °C, °F Barologger Edge: kPa, psi, mbar °C, °F	cm, m, ft, °C
Altitude Input	Unlimited (no input required)	Range = -980 to 16,400 ft (-300 to 5,000 m)
Corrosion Resistant Coating	Titanium based PVD	Zirconium Nitride (ZrN) PVD
Wetted Materials	Delrin®, Viton®, 316 L Stainless Steel, Hastelloy, Ti PVD	Delrin®, Viton®, 316 L Stainless Steel, ZrN PVD
Leveloader Gold Compatible	Yes (Leveloader firmware upgrade required)	Yes
Communication Interface	USB, RS-232, SDI-12	USB, RS-232, SDI-12
Software Verson 4	Many new features: see Data Sheet. Can be translated into other languages	Many new features: see Data Sheet. Can be translated into other languages
Communication Speed	9600 bps, 38,400 with USB Optical Reader	9600 bps

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