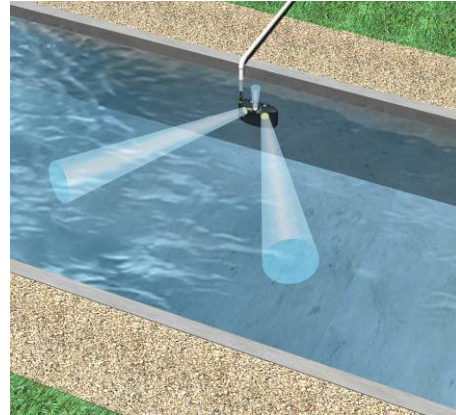




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Argonaut-SL New Features and Enhancements April 2007



Summary of what is new for the Argonaut-SL:

- Sleek, low-profile housings specifically designed for side mounting.
- Improved shallow-water performance – With reduced minimum distances for vertical beam and “cell begin”, you can now use the SL in smaller channel geometries.
- New SL3000 design for very small channel geometries.
- FlowPack Velocity Index Discharge Rating Software is included as a standard part of the instrument package. One license is issued with each SL shipped.
- SonTek TrueCompass/Tilt sensor is standard in the SL1500 and SL500 models.

New Packages

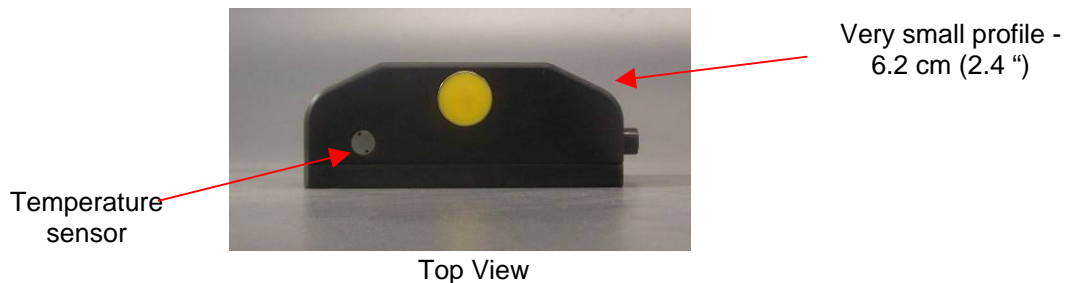
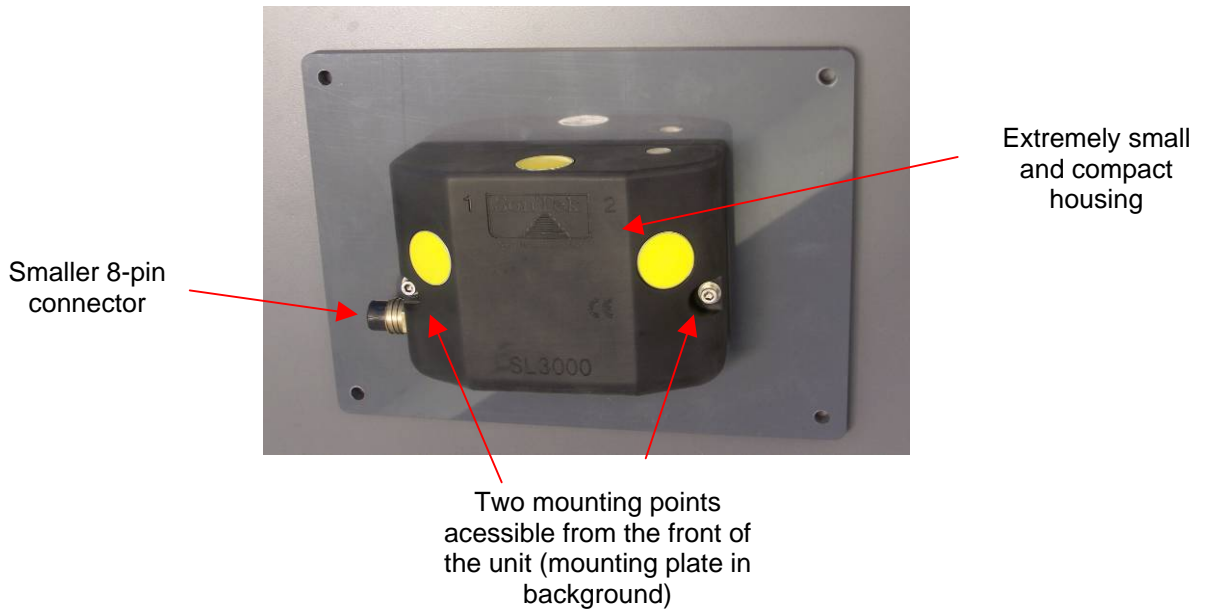
SL3000 (0.1 to 5-m range)

The newest and most affordable member of the SL product family, the SL3000 gets its own custom-designed housing. It is intended for applications in very shallow or narrow channels. With an extremely low-profile design and improved minimum blanking distance, the SL3000 can be used in channels as narrow as 0.75 m (2.5 ft). The improved mechanical configuration and minimum blanking distance means that it can be used in water as shallow as 22 cm (9”).

Some current users might note that the SL3000 looks similar to our Argonaut-SW (up-looking) system. The SL3000 is an alternative to the SW for shallow/narrow channels where installing an up-looking device may not be practical.

Some key features of the SL3000:

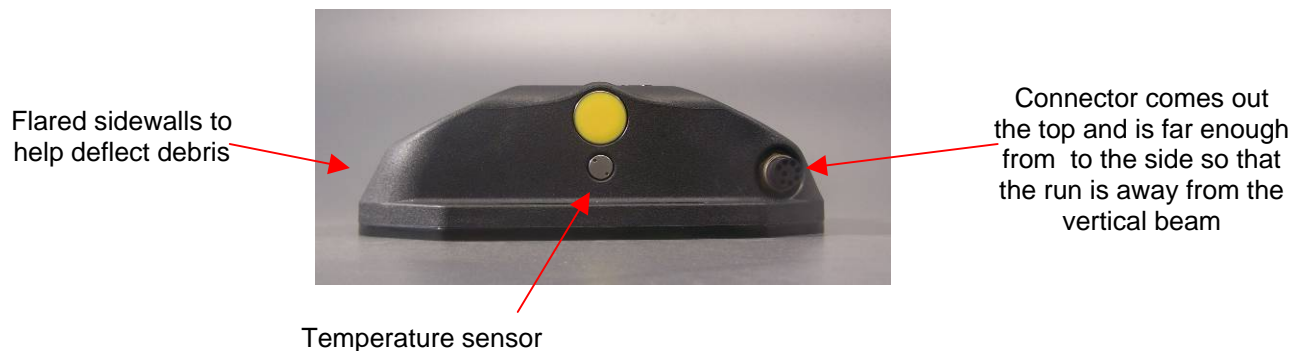
- Physical profile of the housing has been reduced by two-thirds – from 18 to 6.2 cm (7.1 to 2.4”) – enabling use in the smallest of channels.
- Blanking distance on horizontal beams has been halved (0.2 to 0.1 m) enabling use in very narrow channels.
- The width of the beam for the vertical transducer is very narrow (1.4 degrees) so that the unit can be placed close to a wall without risk of interference from the side wall.
- New, smaller connector protrudes from the side to keep cable run from interfering with vertical beam.



SL1500 (0.2 to 20-m range)

The original (and our most popular version of the Argonaut-SL) gets a big makeover with a sleek new housing and new features. In addition, dramatic improvements have been made in reducing the minimum measurable distances on both the vertical beam (level) and horizontal beams (velocity) that allow the SL1500 to work in smaller channels than the previous Argonaut-SL.

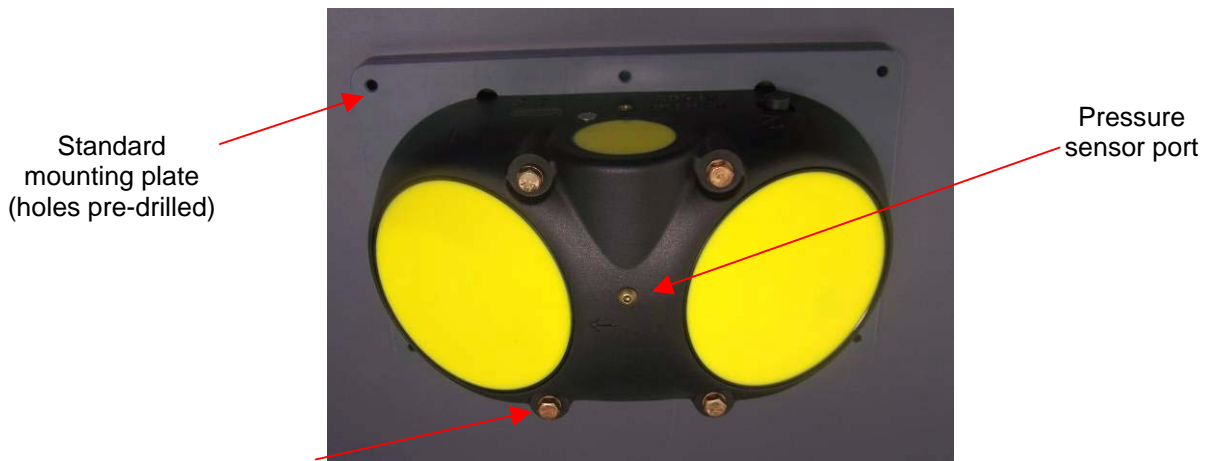
- Profile has been halved to a very small 7.8 cm (3.1”).
- Incorporates the new SonTek TrueCompass/Tilt sensor as a standard part of the package.
- New, reduced size, 8-pin connector.
- Mounting plate is integral to the unit. It can be flat-mounted to a wall, or it can make use of U-bolts for attachment to vertical pipes.
- Sidewalls are flared to help deflect debris.
- Blanking distance on horizontal beams reduced by 60% to 0.2 m (8 inches).
- Minimum vertical beam distance reduced by 40% to 0.15 m (6 inches).



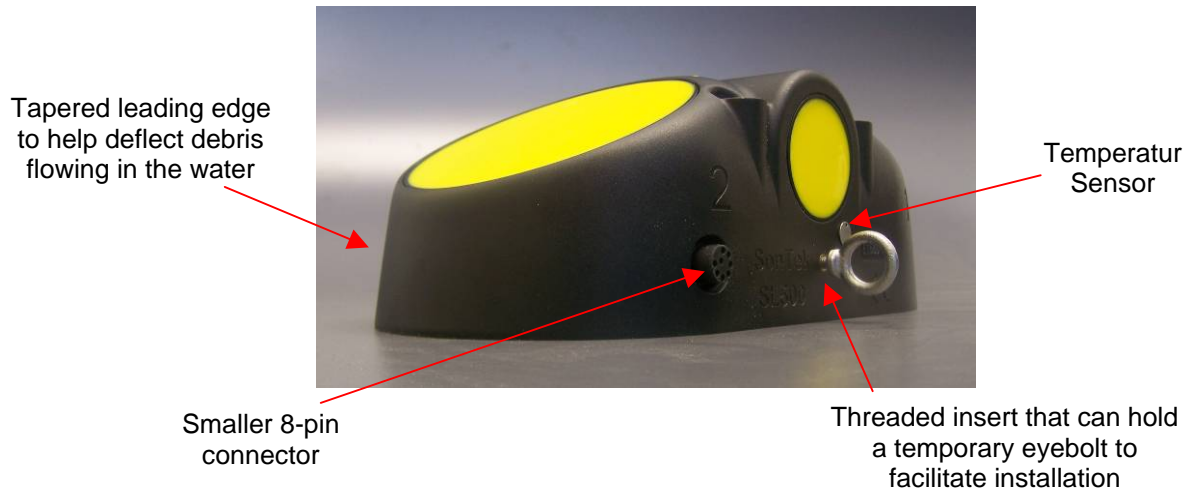
SL500 (1.5 to 120-m range)

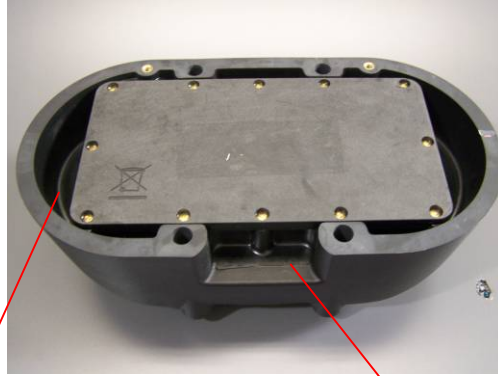
Major improvements were made to the SL500 when it was changed from an aluminum housing to a molded plastic housing, and when the vertical beam was added. The newest version of the SL500 goes a step further with a superior version of the molded plastic casing that reduces its weight by a factor of four (24 to 6 lbs) from the original version. Additionally, many ergonomic features were added to the mechanical design to facilitate installation and transportation. The new SonTek TrueCompass/Tilt sensor is incorporated as a standard feature.

- Overall weight reduced four-fold.
- Minimum depth measured by vertical beam reduced by 50% (0.4 to 0.2 m).
- Ergonomic design features added.
- SonTek 360° solid state TrueCompass/Tilt sensor is standard.



Mounting points accessible from front of unit – four bolts that attach to plate or other structure are provided





Molded casing with hollowed out portions reduces weight and makes it easier to carry with one hand



Indented cavity on bottom makes it easier to support from the bottom – facilitating installation

