

ARBORTRONICS

1520 Lodestar Road, Unit 20,
Downsview, Ontario M3J 3C1
Tel.: (416) 638-6112 Fax: (416) 638-0007
E-mail: sales@arbortronics.com
Web: www.Arbortronics.com

December, 2006

Continuous Level Sensor

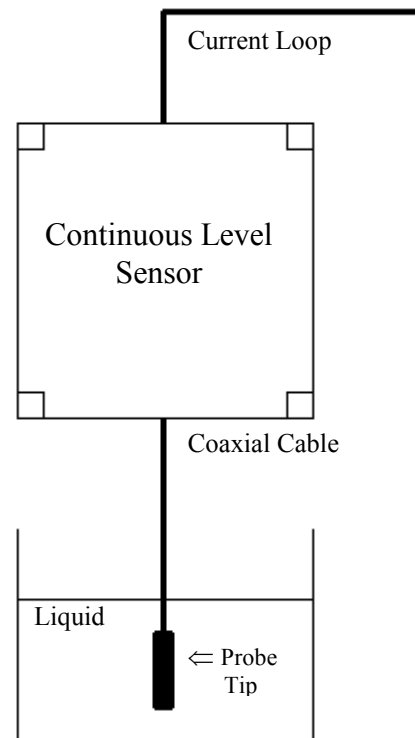
Model ARB-LS14

Description

The Continuous Level Sensor was designed to continuously monitor the depth of liquids up to 4 meters deep. This is done by submerging the probe into the liquid. The probe consists of special coaxial cable and the probe tip. The tip is weighted to ensure that the cable remains taut and an accurate measurement of the depth is given.

The Continuous Level Sensor connects to the controller via a current loop, which is also used to supply power to the unit. The low voltage makes this system safe and imposes no hazard to personnel during installation, even in wet areas.

The sensor is equipped with two potentiometers 'P1(4mA)' and 'P2(20mA)' mounted on the PCB inside. These potentiometers permit field setting of the current to 4mA (Zero Point) when the probe is completely dry, and 20mA (Full Scale) when the probe is submerged in liquid to the maximum fluid level. (See calibration instructions)



Specifications

Voltage	12 to 24V DC
Current min.	4mA
Max	25mA
Weight	0.4 Kg (0.8 lb.)
Hermetically sealed enclosure	