

Almeg Controls Continuous Level Transducer CSR Series

The CSR is the stainless-steel version of continuous level transducers. Other models are available in plastics with CPVC, PP and PVDF floats. A variety of signals are available including fuel sender applications, 4-20 and three wire resistive.

The product design is not limited to the standard specifications. Almeg can offer a variety of float specific gravities and mounting or attaching requirements possibly better suited to customer applications.

Continuous level applications are almost limitless and have been used in aircraft and machine hydraulics, drum level, sewage plants, interface levels in hydrocarbons and treatment plants to name a few.

Operation:

The only moving part, a float with a magnet, travels the transducer length on the process surface. The magnetic lines of flux activate a set series of reeds inside the tube on its way up or down. The tapped off reeds complete a resistance circuit that can be translated into various signals for level indication and control.

Almeg Controls uses a tiny circuit board to maintain accuracy and dependability. To further "ruggidize" the product, each hermitically sealed reed switch is further completely encapsulated in epoxy for better strength.

Specifications:

Other custom requirements are available and usually do not extend the lead-time.

Maximum Length	18 feet
Minimum Length	4 inches
Process Connection	Tube, most NPT sizes, sanitary, custom brackets, custom plate, ANSI style flanges and sliding stem
Transducer Material	316 stainless
Float Material	316 SS
Maximum Pressure	Dependent on float type - up to 750 PSI.
Accuracy	+/- 10 mm (0.6) inches
Specific Gravity	Standard 2" float 0.70 but custom is available
Temperature Range	- 40F-230 F (-40C- 110C)
Sensing Voltage	30 V or less – depending
Total Resistance	Application
Output	Intrinsic, 4-20, resistive 3 wire for 0 to 5 or 0 to 12, custom fuel sender
Signal Conditioning	Several options
Junction Box	Explosion proof, Nema certifications, plug or custom connections – any lead length

