ALMEG CONTROLS

CSR SERIES
Continuous Transducer

DESCRIPTION

The Level Control Transducer has been designed for use in level monitoring applications and pump control for liquids.
The probe part of the gauge is manufactured from stainless steel. The floats can be stainless, Closed Cell Buna.
The Level Transducer can be configured from the factory in many lengths and configurations

KEY FEATURES

Max Length: 180"
Operating Temperature: -20ºC ~ 80ºC
Max Pressure: 80psig
Max voltage: 30 VDC
Supply voltage for 4-20mA: 8-30VDC

PRINCIPLE OF OPERATION

Hermitically sealed reed switches and a resistive chain are potted inside the transducer on an engineered printed circuit board. The float (stainless or Buna all contain either a rod or ring magnet potted or gripped inside). As fluid moves the float – its magnetic lines of force change the resistance output of the transducer.

APPROVALS

Conforms to UL STD 61010-1
Certified to CSA STD C22.2#61010-1-12

SELECTION GUIDE

Fitting Size (1/2"NPT Conduit UP)	Fitting/Stem Material	Float Options	Options
150 = 1 1/2"	1 = 316 Stainless Steel	N = Ø52mm Ball; S/S, S.G.=0.65	N4 = NEMA 4X (with terminal block)
200 = (2")	2 = 360 Brass	P = Ø40 X 35mm; S/S, S.G.=0.68	ADJ = Adjustable (with compression fitting)
250 = (2 1/2")		Q = Ø46 X 76mm; S/S (DIFERENTIAL FLOAT)S.G.=0.96	GEN = 4-20mA Signal Generator
300 = (3")		T = Ø47 X 47mm; BUNA, S.G.=0.42	
F100 = (1" FLANGE)		U = Ø40 X 45mm; BUNA, S.G.=0.4	
F150 = (1 1/2" FLANGE)		W = Ø30 X 45mm; BUNA, S.G.=0.4	
F200 = (2" FLANGE)		X = Ø52mm Ball; S/S, Weighted	
F300 = (3" FLANGE)			
SAE5 = (SAE5 FLANGE)			
SANF = (SANITARY FLANGE)			

EXAMPLE: CSR200-1-U-GEN
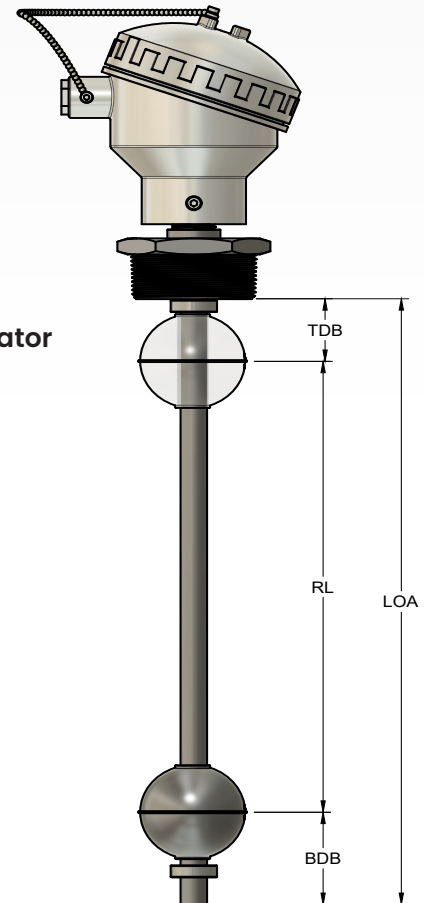2"NPT, stainless fitting, Ø40mm X 45mm BUNA FLOAT, 4-20mA Signal Generator

LEVEL DIMENSIONS

TDB = TOP DEAD BAND
RL = READ LENGTH
BDB = BOTTOM DEAD BAND
LOA = LENGTH OVER ALL

TDB = 1" MIN ON ALL FLOATS
BDB = 1" ON BUNA FLOATS
BDB = 2" ON STAINLESS STEEL FLOATS

Available output:
- Custom resistance
- 4-20 mA
- Hart
- 0-5 volts
- 0-10 volts

OTHER OPTIONS:
Custom mounts
90 degree bend (for side mount application)
Cable options
Custom Lead lengths
IF YOU DO NOT SEE A SOLUTION FOR YOUR APPLICATION, PLEASE CONTACT US DIRECTLY. WE ARE HERE TO HELP!

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