

91 Series Vertically Mounted Stainless Steel Liquid Level Sensor



Features Include:

- Vertically mounted 316L Stainless Steel miniature liquid level sensor.
- Higher Temperature and Higher Pressure ratings than our 90 Series Sensors
- Coupled with a choice of switching options this design is ideal for food, automotive, petroleum, chemical and laboratory applications.
- Normally open circuit with no liquid.
- Available with form A (SPST) or form C (SPDT) contacts.
- A 1 meter cable is provided as standard. For custom cable lengths, please contact the sales office.

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Technical Data

Sensor Code	Reference Float Specific Gravity	Maximum Pressure	Operating temperatures	Torque
DE91-50A01	0.71	20 Bar	-25°C to +190°C	3.0 N.m.
DE91-50A02	0.71	20 Bar	-25°C to +190°C	6.0 N.m.
DE91-50A03	0.71	27.5 Bar	-25°C to +190°C	
DE91-50A04	0.66	20 Bar	-25°C to +190°C	
DE91-10C01	0.71	20 Bar	-25°C to +120°C	3.0 N.m.
DE91-10C02	0.71	20 Bar	-25°C to +120°C	6.0 N.m.
DE91-10C03	0.71	27.5 Bar	-25°C to +120°C	
DE91-10C04	0.66	20 Bar	-25°C to +120°C	
Non Standard Options	0.49	45 Bar	-25°C to +190°C	

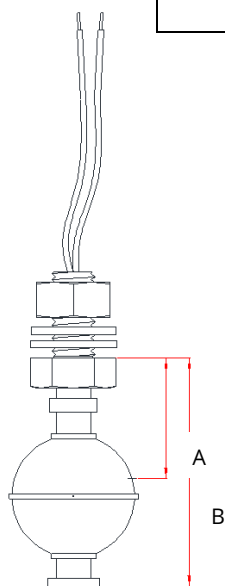
Switch Contact Ratings

- * Form A switches are rated at 240v AC/ DC, 50 Watts, 1.0 Amp resistive load only.
- * Form C switches are rated at 50v AC/ DC, 10 Watts, 0.25 Amp resistive load only.
- * All variations have 24AWG, 7/0.2 PTFE insulated wires.

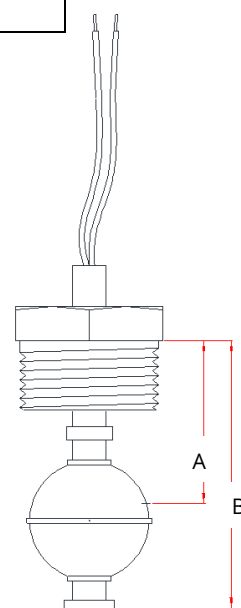
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Fixing

	Length A	Length B	Float Type
M10	28mm	54mm	1" Ball Float
M16	32mm	57mm	1" Ball Float
1" BSP Parallel	41mm	66mm	1" Ball Float
1" NPT	39mm	64mm	1" Cylinder Float



M10 and M16 Internally Mounted Versions



1" BSP and 1" NPT Externally Mounted Versions

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Ordering Code

DE91	-		
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Contact form

50A – 50 Watts form A (SPST)

10C – 10 Watts form C (SPDT)

Mounting

01 – M10 internal thread with nut and washer

02 – M16 internal thread with nut and washer

03 – 1" BSP External

04 – 1" NPT External

Example: DE91-50A describes a sensor with an M10 thread, Form A switch rated at 50 watts.

Custom stem lengths and switching points are available. Please contact the sales office for more information.

All electrical equipment should be installed by a qualified/certified electrician. Reed Switches are easily damaged by inductive loads. Please ensure adequate electrical protection is in place before use.

* The Deeter Group follows a policy of continual development of its products and reserves the right to change specifications and/or features without notice.