

## 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 metre cable is provided as standard. For custom cable lengths, please contact the sales office.

### Deeter Electronics Ltd.

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## Technical Data

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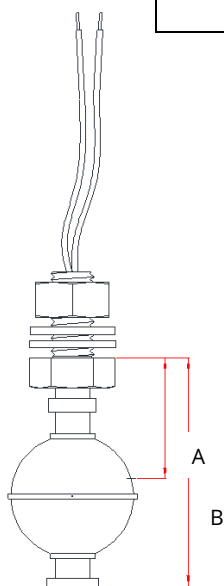
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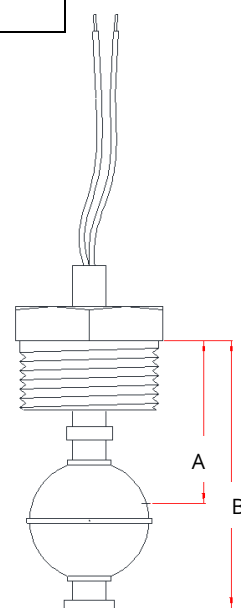
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## Fixing

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



M10 and M16 Internally Mounted Versions



1"BSPP 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.**

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

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