Deeter Continuous Capacitive Sensor (DCS)

The Deeter Continuous Vertical Capacitive Sensor is a reliable alternative to our range of float switches, specifically designed for use in cryogenic applications.

Features Include:

- Microprocessor Based Pulse – Counting Technology
- Probe Lengths can be made to measure to suit specific applications – maximum 6m
- Suitable for non-conductive liquids only.
- Easy Push Button Set-up of Span and Zero Points.
- Zero-to-low maintenance required.
- Coming soon: ATEX/ IECEx Ia certification. Please contact the sales office for more information.

Deeter Electronics Ltd.
Deeter House, Valley Road
Hughenden Valley
Bucks, HP14 4LW

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Fax: +44 (0) 1494 563 961
Email: sales@deeter.co.uk
www.deeterelectronics.com

Deeter Electronics®

Specifications

ELECTRICAL DATA	
Operating Voltage	15 - 30VDC
Operating Current	< 50mA
Stem Capacitance (Air)	< 150pF /m
Resolution	< 2mm +/- 0.5mm
Operating Temperature (Head)	-20°C to +85°C
Stem Temperature (Standard Version)	-40°C to +120°C
Stem Temperature Limits (Low-temp Version)	-200°C to +200°C
Output Accuracy	±1% @ 50% full scale deflection (20°C)
Current Output Signal 1 two wire	4 - 20mA
Voltage Output Signal 2 two wire	0 - 10Vdc
Zero, Span	4 - 20mA
Calibration (Zero, Span)	Stored in NVM
Dielectric Constant of Liquid (- Ɛ -)	> 1.4
Response time (currently)	1000ms
Response time (enhanced)	250ms / 500ms
MECHANICAL DATA	
Max Operating Pressure (with 1” thread at Ambient Temperature)	10 Bar
Enclosure Rating	IP66 / IP68
Electrical Connections	Screw Terminals
Head Material	Aluminium (316L version available)
Stem Material	316L Stainless Steel
Other wetted parts	PTFE
Maximum Stem length	Up to 6m
Mounting Orientation	Vertical
Cable Entry	M20 x 1.5p with cable gland fitted for 6-8mm cable
Mounting Thread	1" BSP Parallel (standard, other threads available)
EMC Standards	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-2

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Ordering Codes

Please contact the Sales Office on 01494 566 046 or sales@deeter.co.uk to discuss your exact requirements.

All electrical equipment should be installed by a qualified/certified electrician.

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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