

PRODUCT SHEET

LEVEL CONTROLLER – DC-LS-50

Transfer Lines

Conditioning
Equipment

Components

Filling Stations

Controlling

DC-LC-110

DC-LS-50

DC-O2-100

The DC-LS-50 is a robust, easy-to-mount level sensor developed specially for cold stored liquid gases in closed containers like storage tanks, dewars and phase separators. Our DC-LS-50 level sensor can be used for multiple gases like nitrogen, oxygen, argon and carbon dioxide, and it provides an accurate and reliable digital liquid level indication. Readout is possible from a local battery-powered display or continuously from an external control unit.

The electrical capacitance of the sensor increases ratio metrically with the measured liquid height, and is converted into an easy-to-read, accurate digital readout with 0.1% resolution.



FEATURES

All stainless steel

Deliverable in lengths from 0.2 up to 2 metres

Battery powered and/or loop with life indicator

Readout on request

Ingress protection IP65

Up to 35 bar nominal pressure

Easy to mount

Easy adjustment and calibration



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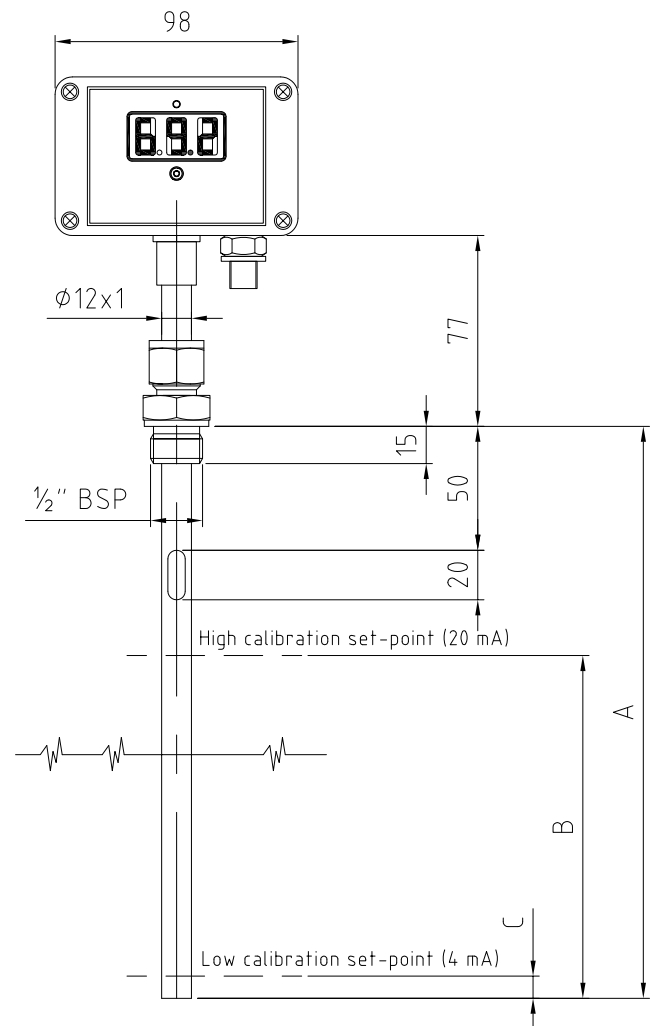
TECHNICAL DATA

Dimension casing	280x218x156mm (LxHxD)
Material casing	ABS
Material transp. cover	Polycarbonate
Power supply	110/240VAC 48-63Hz
Power output	24VDC
Ingress protection	IP65
Measuring input signal	0-20mA/4-20mA or 0-10VDC
Output alarm relay	Voltage free changeover relay NO, max. 3A at 230VAC
Output relay On/Off	Voltage free changeover relay NO, max. 3A at 230VAC
Output analog	0-20mA / 4-20mA $R_{load} < 500\Omega$
Power cable	L=5 meter with Type F plug

(1) Battery life 3-5 years at 3 times/day with an standard Alkaline Battery of 500mAh. Actual battery life depends on storage and operating temperature, time intervals and battery manufacturer.

STANDARD STOCK LENGTHS

Demaco Article No.	Lengths A (mm)	Lengths B (mm)	Lengths C (mm)
522.150	765	430	10
522.160	810	465	10
522.170	1180	800	10



DEMACO HOLLAND BV
 OESTER 2
 NL-1723 HW NOORD-SCHARWOUDE
 T +31 (0)226 33 21 00
 E INFO@DEMACO.NL

→ www.demaco.nl

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