Level-Transmitter with internal diaphragm with stainless steel or ceramic element

Accuracy 0,1%, 0,25%, 0,35% und 0,5%

Standard output 4… 20 mA; 2-wire system
or 0… 20 mA; 3-wire system
or 0…10 VDC; 3-wire system

Features
small thermal effect
good long term stability

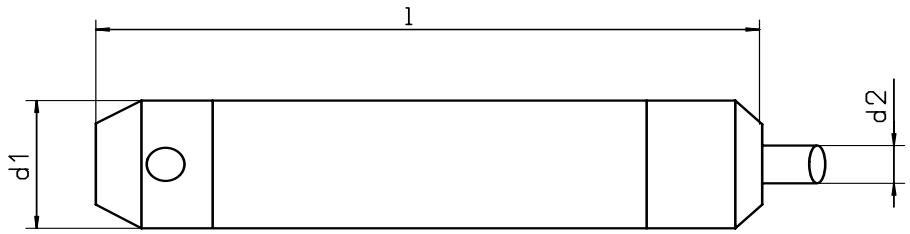
Applications
Level measurement in water, fuel and diesel oil
water supply, sewage treatment
depht or level measurement in wells and open waters
environmental engineering

Model	SD-60	SD-61
Accuracy	0,5 % of full scale value 0,35 % and 0,25 % from 400 mbar 0,1 % from 160 mbar of full scale value	0,5 % of full scale value
Ranges in bar	0...0,1, ...0,16, 0,25, 0,4, 0,6, 1,0, 1,6, 2,5, 4, 6, 10, 16, 25	0…0,6, 1,0, 1,6, 2,5, 4, 6, 10, 16, 25
Ranges in mWS	0...1, ...1,6, 2,5, 4,0, 6,0, 10, 16, 25, 40, 60, 100, 160, 250	0...6, 10, 16, 25, 40, 60, 100, 160, 250
Overload limit	3-x	3-x
Sensor element	Stainless Steel	Ceramic in monolithical construction
Repeability	< 0,05 % full scale value	< 0,05 % full scale value
Stability per year	< 0,1 % full scale value in rated conditions	< 0,2 % full scale value in rated conditions
Case	CrNi steel	CrNi steel
Wetted parts	CrNi-steel	CrNi steel, ceramic Al_2O_3
Electrical connection	PVC-Cable 7,4 mm, or PUR, FEP	
Power supply	12...36 VDC (14...36 VDC for output 0...10 V)	
Power consumption	Output 4...20 mA: signal currency voltage output 8 mA	
Temp. influence	0,2 % / 10 K, zero point and measuring element	
Response time	< 10 ms (within 10% to 90% of full scale value)	
Protection type	IP 68 to EN 60529 /IEC 529	
Temperatures	Medium: -30°C up to 70°C	
Weight	0,2 kg, without cable	

SUCHY MESSTECHNIK
Garnsdorfer Hauptstraße 116, 09244 Lichtenau, Tel.: 037208/88 42-0, Fax: 037208/88 42-12
www.suchy-messtechnik.de, e-Mail: suchy@suchy-messtechnik.de

Dimensions and Design

with internal diaphragm



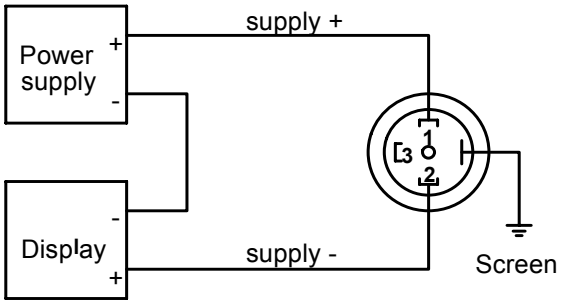
Electrical connection

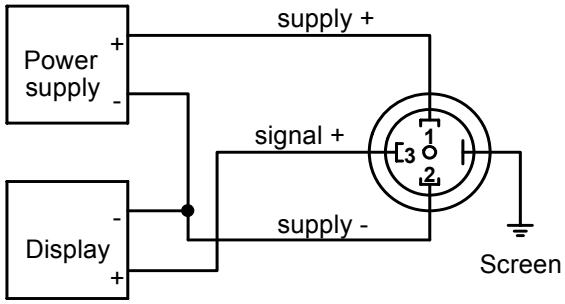
Two-wire system
4…20 mA

Supply + = white
Supply - = brown
Ground = yellow/green (Shield)

Three - wire system
0…20 mA
0…10 V

Supply + = white
Supply - = brown
Signal + = green
Ground = yellow/green (Shield)





Dimensions in mm						
Type	d1		d2	l		
SD-60	27		7,4	124,5		
SD-61	27		7,4	110		

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