

Product Information D3

Differential Pressure and Level Sensor D3 CLEANadapt

Range of applications

- · Hydrostatic level measurement in environments with temperature fluctuations
- Differential pressure measurement in tanks up to 110 °C (230 °F)
- · Hydrostatic level, volume and mass measurement in pressure vessels

Application examples

- Hygienic differential pressure and level monitoring for processes in breweries, dairies and the food and beverage industry
- · Pressure drop measurement in diaphragms

Hygienic design/Process connection

- Use of Negele weld-in sleeve EMZ-352 or build-in system EHG-.../1" results in a hygienic installation situation that is free of gaps and dead space and is easy to sterilize.
- · Conforming to 3-A Sanitary Standard 74-06 with DIRECTadapt
- · CIP-/SIP-cleaning up to 130 °C (266 °F) for 60 minutes max.
- $\cdot\,$ All materials in contact with the product have FDA approval
- · Sensor completely made of stainless steel
- · Further process connections available through CLEANadapt

Features

- Electronic differential pressure measurement with 2 analog outputs (differential pressure and top or total pressure as required)
- \cdot The intuitive user interface makes setup and configuration easy
- · Due to the modular system, sensor components can be replaced in the field
- Improved temperature compensation enables temperature-independent
 differential pressure and level measurement
- · Configuration using integrated display or HART protocol including turndown of 10:1 and units of measure
- · Direct display of volume and mass measurement values as required
- · Pre-defined and customer-specific tank geometries and product characteristics can be adjusted
- · Protection class IP 69 K through patented, dual o-ring seals
- \cdot Dual loop output with HART 7.0 communication and graphical LCD display
- Large selection of measurement ranges

Options/Accessories

- · Optional remote kit provides a separate version of the sensor and display
- · Optional M12 molded cordset available

Measuring principle of the pressure sensor

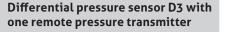
In the D3 system, each sensor uses an internal piezo-electric signal converter and a temperature sensor to measure the pressure and temperature of the capillary fill. The electrical signal of the pressure converter and the resistance of the temperature sensor are measured and converted to a compensated pressure value in the pressure fitting. Both signals are transferred digitally to the head. They are then output in a standardized 4...20 mA and HART 7.0 signal for the differential pressure and in a 4...20 mA signal for the top or total pressure.

Authorizations





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Differential pressure sensor D3 with two remote pressure transmitters



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Neasurement range [psi]Relative00, 12, 17, 135 06, 30 "Hg/0/300, 30 "Hg/0/300Measurement range [psi]Relative00, 30 "Hg/0/300, 30 "Hg/0/300Overpressure strengthFactor1.5 x nominal pressure of measurement elementMeasurement accuracyDifferential error Top or total pressure heproducibility 0.05 %0 fue calibrated measurement range 0.05 %0 fue calibrated measurement range/5.5 °C (10°F)Temperature driftProcess Ambient-1.8110 °C (0230 °F), bei Lymbhent S 71 °C (160°F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 60 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 60 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 60 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 60 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 60 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 60 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (160 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (160 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) 130 °C (266 °F) / max. 60 Min, bei Lymbhent S 70 °C (140 °F) Plastic cover Threaded connector Not Stainless steel, AISI 304 (1,4301), R s 0.8 µn (12 microinch) Stainless	Specification		
Overpressure strengthFactor1.5 x nominal pressure of measurement elementMeasurement accuracyDifferential error Top or total pressure Reproducibility Long-tern stability±0.15 % of the calibrated measurement range (top pressure + 0ifferential pressure) ±0.15 % of the calibrated measurement range 0.0 % UL every 2 yearsTemperature driftProcess Ambient< 0.016 % of the calibrated measurement range/5.5 °C (10 °F) < 0.016 % of the calibrated measurement range/5.5 °C (10 °F) < 0.016 % of the calibrated measurement range/5.5 °C (10 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) 13 °C (266 °F) / max, 60 Min., bei tambient 5 0 °C (140 °F) stainless steel, AISI 304 (14301), Ra ≤ 0.8 µm (32 microinch) Stainless steel, AISI 304 (14301), Ra ≤ 0.8 µm (32 microinch) Stainless steel, AISI 304 (14301), Ra ≤ 0.8 µm (32 microin			
Measurement accuracy Top or total pressure Reproducibility Long-term stability±0.15 % of the calibrated measurement range (top pressure + differential pressure) ±0.15 % of the calibrated measurement range 0.05 % 0.2 % URL every 2 yearsTemperature driftProcess Ambient<0.016 % of the calibrated measurement range/5.5 °C (10 °F) 2.0 106 % of the calibrated measurement range/5.5 °C (10 °F)Temperature rangeProcess CIP/SIP cleaning Ambient-18110 °C (0230 °F), bei tambient § 71 °C (160 °F) 130 °C (266 °F) max. to Min., bei tambient § 60 °C (140 °F) -1871 °C (0160 °F)Response time<0.2 seconds	Turndown	Мах. 10:1	of upper range limit (see also measurement accuracy)
Image: Constant of the server and t	Overpressure strength	Factor	1.5 x nominal pressure of measurement element
Ambient< 0.016 % of the calibrated measurement range/5.5 °C (10 °F)	Measurement accuracy	Top or total pressure Reproducibility	(top pressure + differential pressure) ±0.15 % of the calibrated measurement range 0.05 %
CP/5/P cleaning Ambient130 °C (266 °F) / max. 60 Min., bei t ambient ≤ 60 °C (140 °F)Response time< 0.2 seconds	Temperature drift		
Sample rate< 0.05 secondsMaterialsConnection head Metal cover Plastic cover Threaded connector Wetted parts Diaphragm Diaphragm seal/oil fillingStainless steel, AISI 304 (1.4301), Ra ≤ 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Ra ≤ 0.6 µm (32 microinch) Stainless steel, AISI 300 (1.4300)Electrical connection </td <td>Temperature range</td> <td>CIP/SIP cleaning</td> <td>130 °C (266 °F) / max. 60 Min., bei t_{ambient} ≤ 60 °C (140 °F)</td>	Temperature range	CIP/SIP cleaning	130 °C (266 °F) / max. 60 Min., bei t _{ambient} ≤ 60 °C (140 °F)
MaterialsConnection head Metal cover Plastic cover Threaded connector Wetted parts Diaphragm seal/oil fillingStainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) PolycarbonateProcess connection Not 3-A-compliantCLEANadapt Tri-Clamp@ CPM Endress & HauserG1" with clamping bolt, G1" fixed thread DN40, DN50 65 mm Stainless steel, AISI 306, C1" fixed thread DN40, DN50Electrical connection Supply voltageCurrent loop 1 (differential pressure) Current loop 2 current loop 2 current loop 2 current loop 2 current loop 2 current loop 2 componentsMaterial Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Stainless steel, AISI 304 (1.4301), Rad S 0.8 µm (32 microinch) Medical white oil/mineral oil/parafin oil FDA approval number 21CFR172.878, 21CFR178.3620, 21CFR178.3620, 21CFR178.3620, 21CFR178.3620, 21CFR178.3620, 21CFR178.3620, 21 Miclo, DN50 Stainless s	Response time		< 0.2 seconds
Metal cover Plastic cover Plastic cover Plastic cover Plastic cover Plastic cover Plastic cover Plastic cover Plastic cover Plastic cover Polycarbonate Stainless steel, AISI 304 (1.4301), Ra ≤ 0.8 µm (32 microinch) Polycarbonate Stainless steel, AISI 316L, Ra ≤ 0.64 µm (25 microinch) Stainless steel, AISI 316L, Ra ≤ 0.64 µm (25 microinch) Medical white oil/mineral oil/paraffn oil FDA approval number 21CFR172.878, 21CFR178.3620, 21CFR573.680 Neobee M20 (optional)Process connection Not 3-A-compliantCLEANadapt Milk coupling DIN 11851 DRD flange SMS Liner (female) Tri-Clamp® CPM BaserG1" with clamping bolt, G1" fixed thread DN40, DN50 65 mm 38 mm, 51 mm 11½", 2" Standard fitting Universal adapter - short, Universal adapter - longElectrical connection Supply voltageCable gland Plug-in connection Plug-in connectionM16x1.5 M12 plug (1.4305), 5-pinProtection classCurrent loop 1 (differential pressure) (top or total pressure) componentsMalog 420 mA and HART 7.0 analog 420 mATightening torqueFor the assembly of all D3 components27 Nm (20 ft-lbs) components	Sample rate		< 0.05 seconds
Not 3-A-compliantCLEANadapt Milk coupling DIN 11851 DRD flange SMS Liner (female) Tri-Clamp® CPM Endress & HauserG1" with clamping bolt, G1" fixed thread DN40, DN50 65 mm 38 mm, 51 mm 1½", 2" Standard fitting Universal adapter - short, Universal adapter - longElectrical connectionCable gland Plug-in connectionM16x1.5 M122 plug (1.4305), 5-pinProtection classCable gland Plug-in connectionM16x1.5 M122 plug (1.4305), 5-pinSupply voltageImage: standard fitting Poly (with plug-in connection)Image: standard fitting M16x1.5 M122 plug (1.4305), 5-pinOutputCurrent loop 1 (differential pressure) (urrent loop 2 (urrent loop 2) (urrent loop 2 (urrent loop 2) (urrent loop 2) (ur	Materials	Metal cover Plastic cover Threaded connector Wetted parts Diaphragm	Stainless steel, AISI 304 (1.4301), $R_a \le 0.8 \mu m$ (32 microinch) Polycarbonate Stainless steel, AISI 304 (1.4301), $R_a \le 0.8 \mu m$ (32 microinch) Stainless steel, AISI 316L, $R_a \le 0.64 \mu m$ (25 microinch) Stainless steel, AISI 316L, $R_a \le 0.64 \mu m$ (25 microinch) Medical white oil/mineral oil/paraffin oil FDA approval number 21CFR172.878, 21CFR178.3620, 21CFR573.680
Plug-in connectionM12 plug (1.4305), 5-pinProtection classIP 67 (with cable gland)/NEMA 4X IP 69 K (with plug-in connection)Supply voltage1836 V DCOutputCurrent loop 1 (differential pressure) Current loop 2 (top or total pressure)analog 420 mA and HART 7.0 analog 420 mATightening torqueFor the assembly of all D3 components27 Nm (20 ft-lbs)	Not 3-A-compliant	Milk coupling DIN 11851 DRD flange SMS Liner (female) Tri-Clamp® CPM	DN40, DN50 65 mm 38 mm, 51 mm 1½", 2" Standard fitting
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Output Current loop 1 (differential pressure) Current loop 2 (top or total pressure) analog 420 mA and HART 7.0 Tightening torque For the assembly of all D3 components 27 Nm (20 ft-lbs)	Protection class		
(differential pressure) Current loop 2 (top or total pressure) analog 420 mA Tightening torque For the assembly of all D3 components 27 Nm (20 ft-lbs)	Supply voltage		1836 V DC
components	Output	(differential pressure) Current loop 2	-
Weight approx. 1300 g	Tightening torque	-	27 Nm (20 ft-lbs)
	Weight		approx. 1300 g

Conventional usage

Not suitable for applications in potentially explosive areas.
 Not suitable for applications in safety-relevant system parts (SIL).



Dimensional Drawings | Electrical Connection

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D3 / Tri-Clamp

127

with horizontal enclosure

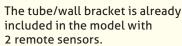
D3 / Tri-Clamp with vertical enclosure

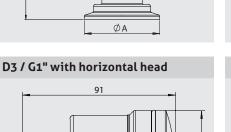
127

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Tri-Clamp size ØA Туре 004 50.5 mm 005 64.0 mm

Information





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D3 with remote pressure transmitter

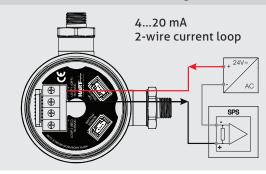
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ØΑ

IIIA Pipe and wall mount Remote cable available in different lengths 174 80 115 1 del (fitadalaan) (91

Electrical connection with cable gland



Electrical connection with M12 plug

1: red	+ supply voltage (differential pressure)	
2: black	- supply voltage 420 mA (differential pressure)	4
3: green	+ supply voltage (top or total pressure)	5
4: blue	- supply voltage 420 mA (top or total pressure)	I
5:	not occupied	

D3 with open cap



Pull up the clip to open the display.

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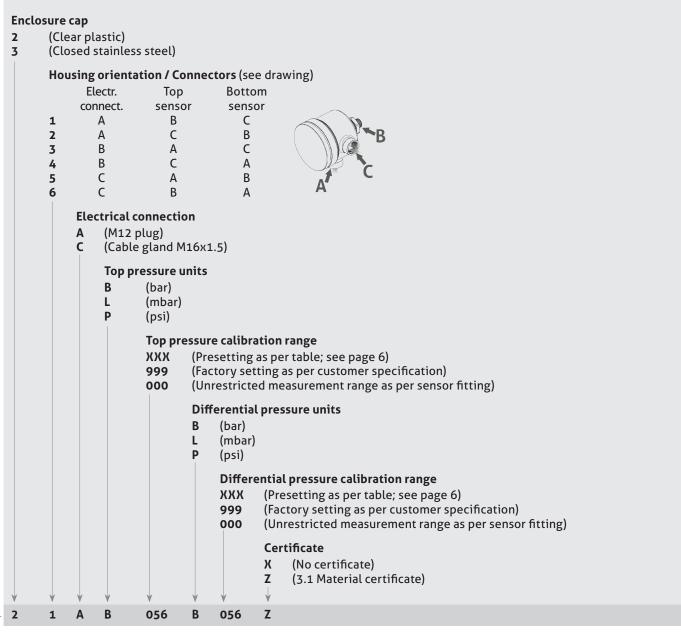
D3	(Mod	ular differe	ential	pressure s	ensor)			
	Capil	lary fill						
		(Mineral oi)			
	5	(Neobee/F	DA apı	proved)				
	•	Top sensor	fittin	g				
	1			•	sensor fitting			
				0.4 bar) 30 psi; -1	2 har)			
				.00 psi; -1				
				00 psi; -1				
		Proce	ss con	nection (without 3-A TPV approva		ss connec ard 74-06	ction (with 3-A TPV approval as per 6)
		160			G1" with clamping bolt)	004		amp 1½")
		182 115			G1" fixed thread) ; DIN 11851 DN40)	005 123		.amp 2") Standard Fitting)
		124			DIN 11851 DN50)	154		ss & Hauser Universal Adaptor - Short
		189	(DRI	D flange 6	5 mm)	155		ss & Hauser Universal Adaptor - Long
		109 110			iner (female)) iner (female))			
				sor model				
			0		t version)			
			Α	(Remote	model with 1.5 m (= 5') o			
			B C		model with 3.0 m (= 10') model with 4.5 m (= 15')			
			D		model with 6.0 m (= 20')			
			Е	(Remote	model with 7.5 m (= 25')	cable)		
			F	(Remote	model with 15.0 m (= 50	') cable)		
				Bottom s	ensor fitting			
				Measure	ment range of the senso	r fitting		
				5 (0	6 psi; 00.4 bar)	0		
					"Hg/0/30 psi; -12 bar)	`		
					"Hg/0/100 psi; -17 bar "Hg/0/500 psi; -135 ba			
					cess connection	.,	Drocos	ss connection (with 3-A TPV approval
					thout 3-A TPV approval)			standard 74-06)
				160	(CLEANadapt G1"		004	(Tri-Clamp 1½")
				182	with clamping bolt) (CLEANadapt G1" fix	(ad thread)	005 123	(Tri-Clamp 2") (CPM Standard Fitting)
				182		leu tilleau)	123	(CPM Standard Fitting) (Endress & Hauser Universal
					DIN 11851 DN40)			Adaptor - Short)
				124	(Milk coupling DIN 11851 DN50)		155	(Endress & Hauser Universal Adaptor - Long)
				189	(DRD flange 65 mm)			
				109	(38 mm SMS Liner (f	emale))		
				110	·- · ·	emale))		
					Sensor model			
					0 (Compact versi A (Remote mode		(= 5') cab	ble)
					B (Remote mode	l with 3.0 m	(= 10') ca	able)
					C (Remote mode	l with 4.5 m	(= 15') ca	able)
					D Womoto modo	Literation 6 O ma	(= 20') ca	ble
					D (Remote mode F (Remote mode			
					E (Remote mode F (Remote mode	l with 7.5 m ((= 25') ca	ble)

Order Code

5

Order code of fully assembled sensor (continued)

Enclosure



Information on order code

The order code is composed of both tables entitled "Order code of fully assembled sensor". Example of a complete sensor: D3 1 7 004 0 7 004 B 2 1 A B 056 B 056 Z

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Order Code Components

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Calibra Bar	Calibration range Bar		tion range	Calibra mbar	tion range	Calibra mbar	tion range	Calibra PSI
Code	Range	Code	Range	Code	Range	Code	Range	
251	(-11)	192	(04)	224	(035)	079	(0400)	Code
286	(-12.5)	060	(06)	067	(040)	503	(0415)	025
217	(-13)	309	(07)	068	(050)	504	(0480)	304
056	(-14)	061	(010)	069	(060)	081	(0500)	028
-		502	(018)	206	(070)	505	(0830)	029
304	(-17)	-					. ,	031
501	(01.2)	065	(020)	071	(0100)	084	(01000)	032
428	(01.5)	066	(030)	294	(0140)	499	(01200)	032
057	(02)	224	(035)	073	(0150)	506	(01385)	314
235	(03)		·,	074	(0160)	507	(01600)	501
233	(0)				. ,	086		428
				075	(0200)		(02000)	057
				077	(0300)	508	(03300)	
				078	(0350)	089	(04000)	235
								107

Order code of sensor head

D3E	(Se	nsor h	nead)					
	Enc 2 3		ear pla		s steel)			
		Hou 1 2 3 4 5 6	El	orienta ectr. A A B B C C	ition / Co To sen B C A C A B B	sor S	ors (see dr Botton sensor C B C A B A A	n
			Elec A C	(M1) (Cab	connecti 2 plug) ble gland (bar) (mbar (psi) Calibi	I M16x: e units) ration r (Mea	ange surement	range as per top sensor fitting) essure units
D3E	2	1	A	B	000	B	Calibrat 000 (ion range Measurement range as per pottom sensor fitting)

Calibra PSI	tion range
Code	Range
025	(30 "Hg/0)
304	(30 "Hg/0/7)
028	(30 "Hg/0/15)
029	(30 "Hg/0/30)
031	(30 "Hg/0/60)
032	(30 "Hg/0/100)
314	(30 "Hg/0/200)
501	(01,2)
428	(01,5)
057	(02)
235	(03)
192	(04)
060	(06)
309	(07)
061	(010)
502	(018)
065	(020)
066	(030)
224	(035)
067	(040)
068	(050)
069	(060)
206	(070)
071	(0100)
294	(0140)
073	(0150)
074	(0160)
075	(0200)
077	(0300)
078	(0350)
079	(0400)
503	(0415)
504	(0480)
081	(0500)

Order code of sensor stem

L3S	(Ser	nsor sten	n)				
	Mea 5 6 7 8	(30 "Hg	si; 0 g/0/3 g/0/1	0.4 ł 0 psi; 00 ps	oar) ; -12 bar) si; -17 bar) si; -135 bar)		
		160 182 115 124 189 109 110	(CLE (CLE (Mil (Mil (DR (38 (51 Cap 1 5	A TPV EANad EANad k cou k cou D flar mm S mm S mm S iillary (Mir (Neo Sen 0	<pre>/ approval) dapt G1" with clamping bolt) dapt G1" fixed thread) upling DIN 11851 DN40) upling DIN 11851 DN50) nge 65 mm) SMS Liner (female)) SMS Liner (female)) SMS Liner (female)) / fill heral oil/FDA approved) beee/FDA approved) sor model (fixed value) Certificate X (No certificate) Z (3.1 Material certificate) </pre>		S-A TPV approval as per standard 74-06) (Tri-Clamp 1 ¹ / ₂ ") (Tri-Clamp 2") (CPM Standard Fitting) (Endress & Hauser Universal Adaptor - Short) (Endress & Hauser Universal Adaptor - Long)
L3S	5	004	1	0	Х		

Transport/Storage

- · No outdoor storage
- · Store in an area that is dry and dust-free
- Do not expose to corrosive media
- Protect against solar radiation
- · Avoid mechanical shock and vibration
- · Storage temperature -55...+90 °C
- · Relative humidity max. 98%

Cleaning/Maintenance



 When using a pressure washer, do not point the nozzle directly at the electrical connections and gaskets!

Notice on conformity

- Applicable guidelines:
 Electromagnetic Compatibilit
- Electromagnetic Compatibility Directive 2014/30/EC • The CE label confirms compliance of this product with the applicable EC directives.
- The operator is responsible for ensuring compliance with the directives that are applicable to the overall system.

Reshipment



- Sensors and process connection must be clean and must not be contaminated with hazardous media and/or heatconductive paste. Note the cleaning information!
- To avoid damage of the equipment, use suitable transport packaging only.

Standards and guidelines



• Compliance with the applicable regulations and directives is mandatory.

Disposal

- Electrical devices should not be disposed of with household trash. They must be recycled in accordance with national laws and regulations.
- Take the device directly to a specialized recycling company and do not use municipal collection points.

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D3 / L3 Remote-Kit

Complete accessories to convert compact version into remote version, including:

- · M12 remote adaptor with nut
- · Stem adaptor
- Wall mount
- · Pipe mount

Note: The remote cable is not part of the remote kit and must be ordered separately.

Remote cable for D3 / L3

Pre-assembled remote cable for D3 / L3L3 R-CABLE / 4-15PVC cable, 4-pin, length 1.5 mL3 R-CALBE / 4-30PVC cable, 4-pin, length 3.0 mL3 R-CABLE / 4-45PVC cable, 4-pin, length 4.5 mL3 R-CABLE / 4-60PVC cable, 4-pin, length 6.0 mL3 R-CABLE / 4-75PVC cable, 4-pin, length 7.5 mL3 R-CABLE / 4-150PVC cable, 4-pin, length 15.0 m

Accessories for D3 / L3

PVC cable with M12 connection made of 1.4305, IP 69 K, unshieldedM12-PVC / 4-5 mPVC cable, 4-pin, length 5 mM12-PVC / 4-10 mPVC cable, 4-pin, length 10 mM12-PVC / 4-25 mPVC cable, 4-pin, length 25 m

PVC cable with M12 connection, nickel-plated brass, IP 67, shieldedM12-PVC / 4G-5 mPVC cable, 4-pin, length 5 mM12-PVC / 4G-10 mPVC cable, 4-pin, length 10 mM12-PVC / 4G-25 mPVC cable, 4-pin, length 25 m

 Remote kit

 L3 REMOTE-Kit
 Complete accessories incl. wall mount

 Cap / Gaskets

L3 C-GASKETReplacement silicone gaskets for cap (6 pieces)L3 C-CLEARClear plastic cap (incl. gasket)L3 C-STEELStainless steel cap without control window (incl. gasket)

Options

CERT / 2.2 / D3	factory certificate 2.2 acc. to EN 10204 (only product contacting surface)
CAL/D3	factory calibration certificate with 3 calibration points
	(0 %, 50 %, 100 %)
CAL / D3 / MP	factory calibration certificate with 5 calibration points (0 %, 25 %, 50 %, 75 %, 100 %)

50099/1.0/2018-06-15/AR/EU

NEGELE MESSTECHNIK GMBH Raiffeisenweg 7 87743 Egg an der Guenz Phone +49 (0) 83 33 . 92 04 - 0 Fax +49 (0) 83 33 . 92 04 - 49 sales@anderson-negele.com





Remote cable for D3 / L3

PVC cable with M12 connection

