



# LMK 387

## **Stainless Steel Probe**

**Ceramic Sensor** 

accuracy according to EN IEC 62828-2: standard: 0.35 % span option: 0.25 % span

### Nominal pressure

from 0 ... 1 mH<sub>2</sub>O up to 0 ... 100 mH<sub>2</sub>O

## **Output signal**

2-wire: 4 ... 20 mA others on request

### **Special characteristics**

- diameter 22 mm
- ► diaphragm ceramics 99.9% Al<sub>2</sub>O<sub>3</sub>
- good long-term stability
- especially for waste water

### **Optional versions**

- housing material titanium
- IS-version
   Ex ia = intrinsically safe for gas and dust
- drinking water certificate according to DVGW and KTW
- ▶ temperature element Pt 100
- mounting with stainless steel tube
- different kinds of cables and elastomers

The stainless steel probe LMK 387 was developed for level and gauge measurement in waste water, sludge or water courses. The mechanical robustness of the flush ceramic diaphragm facilitates an easy disassembly and cleaning of the probe in case of service.

Compared to the level probe LMK 382 the outer diameter is only 22 mm, whereby the installation or retrofitting can be easily carried out in 1 "pipes or in confined installation conditions. An IS-version (zone 0) is also available.

### Preferred areas of use



groundwater and level monitoring



<u>Sewage</u> waste water treatment water recycling



<u>Fuel and oil</u> tank battery biogas plants





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The company BD SENSORS s.r.o. is certified by Bureau Veritas Czech according to the standard ISO 9001.

Input pressure range Nominal pressure gauge	[bar]	0.1	0.16	0.25	0.4	0.6	1	1.6	2.5	4	6	10		
Level	[mH <sub>2</sub> O]	1	1.6	2.5	4	6	10	1.0	2.5	4	60	100		
Overpressure	[hill20] [bar]	3	4	5	5	7	7	10	20	20	20	20		
Burst pressure ≥	[bar]	4	6	8	8	9	9	12	20	20	30	30		
Permissible vacuum	[bar]	-0.2	-0.3	0	-	0.5	3	10		-1	0	1 30		
Max. ambient pressure (hous			-0.5			0.5				-1				
Max. ambient pressure (nous	siliy). 40 Dai													
Output signal / Supply														
Standard		2-wire: 4.	20 mA /	Vs = 12	36 V <sub>DC</sub>									
Option IS-version		2-wire: 4.	20 mA /	Vs = 14	28 V <sub>DC</sub>									
Option temperature elemen	nt Pt 100													
Temperature range		-25 125	5 °C											
Connectivity technology		3-wire												
Resistance		100 Ω at 0	າຕ				ent 2 mA.		isically safe					
Temperature coefficient		3850 ppm					er 10 mW		isically safe					
Supply Is		0.3 1.0						,	ioloully our	on outer to	•			
		0.5 1.0	THA DC											
Performance							0.05.0/							
Accuracy <sup>1</sup>		standard:				option: ≤	± 0.25 % s	span						
Permissible load		R <sub>max</sub> = [(V			Ω									
Influence effects		supply: 0.				load: 0.05	5 % span /	kΩ						
Long term stability		≤±0.1%		ar										
Turn-on time		450 msec	;											
Mean response time		≤ 70 mse	c											
Measuring rate		80 Hz												
<sup>1</sup> accuracy according to EN IEC	C 62828-2-	limit point ac	djustment (	non-lineari	ity, hystere:	sis, repeatabi	lity)							
Thermal effects (offset and							.,							
Tolerance band		≤ ± 1 % sp	oan											
in compensated range		-20 80												
		20 00	5											
Permissible temperatures					_									
Permissible temperatures		medium /	storage: -	25 85 °	С									
Electrical protection <sup>2</sup>														
Short-circuit protection		permanen	nt											
Reverse polarity protection		no damag	e, but also	o no functi	ion									
Electromagnetic compatibility	/	emission a	and immu	nity accor	ding to EN	61326								
<sup>2</sup> additional external overvoltage	e protection u	unit in termin	al box KL	1 or KL 2 v	vith atmosp	heric pressu	re reference	e available (	on request					
Electrical connection				-										
Cable with sheath material <sup>3</sup>		PUR	(-25	70 °C)	black	Ø 7.4 mm								
Capie with sheath matchai														
				,										
		FEP <sup>4</sup>	(-25	70 °C)	black	ð 7.4 mm	() with a st	/ with drink	ing water o	ortificate)				
		FEP <sup>4</sup> TPE-U	(-25 (-25	70 °C) 125 °C)	black blue	ð 7.4 mm ð 7.4 mm	(without	/ with drink	ing water c	,				
		FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup>	(-25 (-25 (-25	70 °C) 125 °C) 125 °C)	black blue red	ð 7.4 mm ð 7.4 mm ð 9.0 mm				ot	hers on rec	quest		
Bending radius		FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta	(-25 (-25 (-25 allation: 1	70 °C) 125 °C) 125 °C) 125 °C) 0-fold cab	black blue red ble diamete	2) 7.4 mm 2) 7.4 mm 2) 9.0 mm er	dynamic	application	n: 20-fold o	ot able diam	eter	quest		
<sup>3</sup> shielded cable with integrated		FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo	(-25 (-25 (-25 allation: 1 spheric pre	70 °C) 125 °C) 125 °C) 0-fold cab	black blue red ble diamete erence (for	2) 7.4 mm 2) 7.4 mm 2) 9.0 mm er nominal prese	dynamic	application	n: 20-fold o	ot able diam	eter	quest		
<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable	(-25 (-25 (-25 allation: 1 spheric pro	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high	black blue red ble diamete erence (for bly charging	ð 7.4 mm ð 7.4 mm ð 9.0 mm er nominal presa processes a	dynamic	application	n: 20-fold o	ot able diam	eter	quest		
<ul> <li><sup>3</sup> shielded cable with integrated</li> <li><sup>4</sup> do not use freely suspended p</li> <li><sup>5</sup> only in combination with IS-ve</li> </ul>	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable	(-25 (-25 (-25 allation: 1 spheric pro	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high	black blue red ble diamete erence (for bly charging	ð 7.4 mm ð 7.4 mm ð 9.0 mm er nominal presa processes a	dynamic	application	n: 20-fold o	ot able diam	eter	quest		
<ul> <li><sup>3</sup> shielded cable with integrated</li> <li><sup>4</sup> do not use freely suspended p</li> <li><sup>5</sup> only in combination with IS-ve</li> <li>Materials (media wetted)</li> </ul>	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protectio	(-25 (-25 (-25 allation: 1 spheric pro of effects of on) and ten	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high nperature e	black blue red ble diamete erence (for hly charging element Pt	ð 7.4 mm ð 7.4 mm ð 9.0 mm er nominal press processes a 100	dynamic	application	n: 20-fold o	ot able diam	eter	quest		
<ul> <li><sup>3</sup> shielded cable with integrated</li> <li><sup>4</sup> do not use freely suspended p</li> <li><sup>5</sup> only in combination with IS-ve</li> </ul>	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protection standard:	(-25 (-25 (-25 allation: 1 spheric pre e if effects o on) and ten stainles	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high mperature e s steel 1.4	black blue red ble diamete erence (for bly charging	ð 7.4 mm ð 7.4 mm ð 9.0 mm er nominal press processes a 100	dynamic	application	n: 20-fold o	ot cable diam on tube is c	eter losed)			
<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protectio standard: option:	(-25 (-25 (-25 allation: 1 spheric pre e if effects o on) and ten stainles titanium	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high mperature e s steel 1.4	black blue red ble diamete erence (for hly charging element Pt	ð 7.4 mm ð 7.4 mm ð 9.0 mm er nominal press processes a 100	dynamic	application	n: 20-fold o	ot cable diam on tube is c	eter			
<ul> <li><sup>3</sup> shielded cable with integrated</li> <li><sup>4</sup> do not use freely suspended p</li> <li><sup>5</sup> only in combination with IS-ve</li> <li>Materials (media wetted)</li> </ul>	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protectio standard: option: standard:	(-25 (-25 (-25 allation: 1 spheric pro- bif effects of on) and ten stainles titanium FKM	70 °C) 125 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high nperature e s steel 1.4	black blue red ble diamete arence (for i bly charging element Pt 1404 (316	2 7.4 mm 2 7.4 mm 2 9.0 mm er nominal press processes a 100 	dynamic sure range: re expected	application	n: 20-fold o	ot cable diam on tube is c	eter losed)			
<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protection standard: option:	(-25 (-25 (-25 allation: 1 spheric pro- fi effects of on) and ten stainles titanium FKM EPDM (	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high nperature of s steel 1.4 without / v	black blue red ble diamete erence (for hly charging element Pt 1404 (316) with drinkir	Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm er nominal press processes a 100 	dynamic sure range: re expected ificate)	application	n: 20-fold o	ot cable diam con tube is c	eter losed) hers on rec	juest		
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<ul> <li><sup>3</sup> shielded cable with integrated</li> <li><sup>4</sup> do not use freely suspended p</li> <li><sup>5</sup> only in combination with IS-ve</li> <li>Materials (media wetted)</li> <li>Housing</li> <li>Seals (O-rings)</li> <li>Diaphragm</li> <li>Protection cap</li> <li>Cable sheath</li> <li>Explosion protection</li> </ul>	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protection standard: option: standard: option: ceramics <i>i</i> POM-C PUR, FEF	(-25 (-25 (-25 allation: 1 spheric pro- if effects ( on) and ter stainles titanium FKM EPDM ( FFKM ( Al <sub>2</sub> O <sub>3</sub> 99.5 P, TPE-U	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high mperature e s steel 1.4 without / v min. perm 3%	black blue red ble diamete arence (for ly charging element Pt 1404 (316 with drinkir issible tem	Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm r nominal press processes a 100 -) g water cert perature fro	dynamic sure range: re expected ificate)	application	n: 20-fold o	ot cable diam con tube is c	eter losed) hers on rec	juest		
<ul> <li><sup>3</sup> shielded cable with integrated</li> <li><sup>4</sup> do not use freely suspended p</li> <li><sup>5</sup> only in combination with IS-ve</li> <li>Materials (media wetted)</li> <li>Housing</li> <li>Seals (O-rings)</li> <li>Diaphragm</li> <li>Protection cap</li> <li>Cable sheath</li> <li>Explosion protection</li> </ul>	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protection standard: option: standard: option: ceramics <i>J</i> POM-C PUR, FEF	(-25 (-25 (-25 allation: 1 spheric pro- if effects on) and terr stainles titanium FKM EPDM ( FFKM (i Al <sub>2</sub> O <sub>3</sub> 99.5 P, TPE-U	70 °C) 125 °C) 125 °C) 0-fold cab assure refe due to high pperature e s steel 1.4 without / v min. perm 1% 66 X / IEC	black blue red ble diamete ble	Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm r nominal press processes a 100 -) g water cert perature fro	dynamic sure range: re expected ificate)	application	n: 20-fold o	ot cable diam con tube is c	eter losed) hers on rec	juest		
<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath	probes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable standard: option: standard: option: ceramics <i>n</i> POM-C PUR, FEF	(-25 (-25 (-25 allation: 1 spheric pro- if effects to on) and terr stainles titanium FKM EPDM ( FFKM (i Al <sub>2</sub> O 39.5 C, TPE-U ATEX 100 II 1G Ex i	70 °C) 125 °C) 125 °C) 0-fold cab sssure refe due to high nperature of s steel 1.4 without / v min. perm 1% 56 X / IEC a IIB T4 G	black blue red blue ple diamete prence (for r ply charging element Pt 4404 (316 with drinkir issible tem Ex IBE 18 Ga	Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm r nominal press processes a 100 -) g water cert perature fro	dynamic sure range: re expected ificate)	application	n: 20-fold o	ot cable diam con tube is c	eter losed) hers on rec	juest		
<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387	orobes with a	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo of FEP cable sion protectio standard: option: standard: option: ceramics <i>J</i> POM-C PUR, FEP IBExU 15 zone 0: zone 20:	(-25 (-25 (-25 (-25 allation: 1 spheric pro- if effects of if effects of stainles titanium FKM EPDM ( FFKM (i Al <sub>2</sub> O <sub>3</sub> 99.5 P, TPE-U ATEX 100 II 1G Ex i II 1D Ex i	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high mperature of s steel 1.4 without / v min. perm 1% 66 X / IEC a IIB T4 G a IIIC T13	black blue red ble diamete arence (for 1 bly charging element Pt 1404 (316 4404 (316 4404 (316 5 °C Da	Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm IF nominal press processes a 100 -) g water cert perature fro .0019X	dynamic sure ranges re expected ificate) m -15 °C)	application	n: 20-fold o	ot cable diam con tube is c	eter losed) hers on rec	juest		
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<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum va (pressure) Safety technical maximum va	orobes with a prsion (explos	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo of FEP cable sion protection standard: option: standard: option: ceramics <i>J</i> POM-C PUR, FEF IBExU 15 zone 0: zone 20: U <sub>i</sub> = 28 V, the supply	(-25 (-25 (-25 (-25 allation: 1 spheric pre- if effects i fi effects i stainles titanium FKM EPDM ( FFKM (i Al <sub>2</sub> O <sub>3</sub> 99.5 P, TPE-U ATEX 100 II 1G Ex i II 1D Ex i II 1D Ex i I <sub>1</sub> = 93 m/ connecti	70 °C) 125 °C) 125 °C) 0-fold cab sssure refedue to high mperature of s steel 1.4 without / v min. perm 1% 66 X / IEC a IIB T4 G a IIB T4	black blue red ble diamete ble diameter ble di b	2 7.4 mm 2 7.4 mm 2 9.0 mm 9.0 mm 100 100 100 100 100 100 100 1	dynamic sure ranges re expected ificate) m -15 °C) = 0 μH; ax. 100 nF	e application s absolute, n d	he enclosu	ot cable diam on tube is co ot ot	eter losed) hers on rec	juest		
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<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum va (pressure) Safety technical maximum va (temperature) Permissible temp. for environ Connecting cables	probes with a prsion (explos	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta ube for atmo n FEP cable sion protection standard: option: standard: option: ceramics <i>i</i> POM-C PUR, FEF IBEXU 15 zone 0: zone 20: U <sub>i</sub> = 28 V, the supply U <sub>i</sub> = 30 V, in zone 0: zone 1 an cable capa	(-25 (-25 (-25 (-25 ) allation: 1 spheric pro- if effects ( on) and ter stainles titanium FKM EPDM ( Al <sub>2</sub> O <sub>3</sub> 99.5 P, TPE-U ATEX 100 II 1G Ex i II 1D Ex i II 1B 2 S m/ connection II 1 = 54 m/ d higher: acity:	70 °C) 125 °C) 125 °C) 0-fold cab sssure refe due to high mperature of s steel 1.4 without / v min. perm 3% 56 X / IEC a IIB T4 Ga a IIC T13 A, P <sub>i</sub> = 66C ons have of -20 6 -25 6 signal I	black blue red ble diamete ble diamete ble diamete ble diamete ble diamete ble diamete ble diamete ble diameter ble	2 7.4 mm 2 7.4 mm 2 9.0 mm 9 0.0 mm 100 100 100 2) g water cert perature from 0 019X 49.2 nF, L <sub>i</sub> = 0 nF, L <sub>i</sub> = 0 patm 0.8 bar also signal li	dynamic sure ranges re expected ifficate) m -15 °C) = 0 μH; ax. 100 nF μH (temp μp to 1.1 t ne/signal l	e application s absolute, i d copposite t erature ele bar line: 160 pf	he enclosu ment Pt 10	ot cable diam on tube is co ot ot	eter losed) hers on rec	juest		
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<sup>3</sup> shielded cable with integrated <sup>4</sup> do not use freely suspended p <sup>5</sup> only in combination with IS-ve Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum va (pressure) Safety technical maximum va (temperature) Permissible temp. for environ Connecting cables (by factory) Miscellaneous Drinking water certificate <sup>6</sup>	probes with a prsion (explos	FEP <sup>4</sup> TPE-U TPE-U <sup>5</sup> static insta <i>ube for atmo</i> <i>n FEP cable</i> son <i>protectio</i> standard: option: standard: option: standard: option: ceramics <i>i</i> POM-C PUR, FEF IBExU 15 zone 0: zone 20: U <sub>i</sub> = 28 V, the supply U <sub>i</sub> = 30 V, in zone 0 an cable capp cable indu	(-25 (-25 (-25 i) (-25 i)	70 °C) 125 °C) 125 °C) 0-fold cab essure refe due to high mperature es s steel 1.4 without / v min. perm 3% 66 X / IEC a IIB T4 Ca a IIIC T13 A, Pi = 405 -20 6 -25 6 signal I (W 270 all	black blue red blue red blue diameter rece (for roll of the second seco	2 7.4 mm 2 7.4 mm 2 9.0 mm 9 0.0 mm 100 100 -) g water cert perature from 0.0019X 49.2 nF, Li = 0 patm 0.8 bar also signal li also signal li	dynamic sure ranges re expected ificate) m -15 °C) = 0 μH; ax. 100 nF μH (temp μp to 1.1 t ne/signal l	e application s absolute, i d F opposite t erature ele bar line: 160 pf line: 1 μH/r	he enclosu ment Pt 10	ot cable diam on tube is co ot ot ot	eter losed) hers on rec	juest		
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Mounting flange with cable gland



dimensions in mm										
size	DN25 /	DN50 /	DN80 /							
size	PN40	PN40	PN16							
b	18	20	20							
D	115	165	200							
d2	14	18	18							
d4	68	102	138							
f	2	3	3							
k	85	125	160							
n	4	4	8							

# Technical data

all probes							
stainless steel 1.4404 (316L)							
d standard: brass, nickel plated on request: stainless steel 1.4305 (303); plastic							
material: TPE (ingress protection IF	° 68)						
according to DIN 2507							
Ordering type		Weight					
DN25 / PN40 with cable gland brass, nickel plated		1.4 kg					
kel plated	5000278	3.2 kg					
kel plated	5000279	4.8 kg					
	stainless steel 1.4404 (316L) standard: brass, nickel plated material: TPE (ingress protection IF according to DIN 2507 kel plated kel plated	stainless steel 1.4404 (316L) standard: brass, nickel plated on request: stainless steel 1 material: TPE (ingress protection IP 68) according to DIN 2507 Ordering code kel plated 5000275 kel plated 5000278					



#### **Technical data** Suitable for all probes with cable $\varnothing$ 5.5 ... 10.5 mm Material of housing standard: steel, zinc plated optionally: stainless steel 1.4301 (304) Material of clamping jaws PA (fibre-glass reinforced) and positioning clips Dimensions (mm) 174 x 45 x 32 Hook diameter 20 mm Weight Ordering type Ordering code 5000275 Terminal clamp, steel, zinc plated approx. 160 g Terminal clamp, stainless steel 1.4301 (304) 5000278

Display program

CIT 200	Process display with LED display	
CIT 250	Process display with LED display and contacts	
CIT 300	Process display with LED display, contacts and analogue output	
CIT 350	Process display with LED display, bargraph, contacts and analogue output	
CIT 400	Process display with LED display, contacts, analogue output and Ex-approval	
CIT 600	Multichannel process display with graphics-capable LC display	2
CIT 650	Multichannel process display with graphics-capable LC display and datalogger	5
CIT 700	/ CIT 750 Multichannel process display with graphics-capable TFT monitor, touchscreen and contacts	
PA 440	Field display with 4-digit LC display	N

For further information please contact our sales department or visit our homepage: http://www.bdsensors.cz



Accessories

www.bdsensors.cz info@bdsensors.cz



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			Order	ing c	ode	e L	Mł	< 38 <sup>.</sup>	7										
23.08.20		/K 387	Г	ГТТ	-	П	Т	1_	_	1.	1.	1_	I_I	1_	1.□		1.		1
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Pressure			2	6 0															
in bar (gauge) in mH <sub>2</sub> O (gauge	2)		3	6 0 6 1															
	=) [mH <sub>2</sub> O]	[bar]	3	01															
Input	0 1.0	[bar] 0 0,10	_		1	0	0 0												
	0 1.6	0 0,16			1	6	0 0												
	0 2.5	0 0,25			2	5	0 0												
	0 4.0	0 0,40				0	0 0												
	0 6.0	0 0,60			6	0	0 0												
	0 10	0 1,0			1	0	0 1												
	0 16	0 1,6			1	6	0 1												
	0 25	0 2,5			2	5	0 1												
	0 40	0 4,0			4	0	0 1												
	0 60	0 6,0			6	0	0 1												
	0 100	0 10			1	0	0 2 9 9												
Customer					9	9	99												
Housing mater																			
Stainless steel 7 Titanium	1.4404 (316 L)							1 T											
Customer								Т 9											
Design								9											
Submersible pro	obe								1										
	n (with G 1/2" op	ven) <sup>4</sup>							A										
Screw-in version	n (with G 3/4" flu	ush) <sup>4</sup>							В										
Diaphragm ma		,							_										
Ceramic Al <sub>2</sub> O <sub>3</sub> 9										С									
Customer										9									
Output																			
4 20 mA / 2-v	wire										1								
Intrinsic safety E	Ex ia 4 … 20 mA	/ 2-wire									E								
Customer											9								
Seals																			
Viton (FKM)												1							
EPDM												3							
FFKM <sup>1</sup> Customer												7							
Electrical conn	action											9							
PUR-cable (blac			_		-	-	-	-	-	-		-	2						
FEP-cable (blac													3						
Customer	on, o 7.4 mm)												9						
Accuracy																			
0,35 %														3					
0,25 %														2					
Customer														9					
Cable length																			
in m															9	99			
Special version	n																		
Standard																		00	
Temperature se																	0		
R 1/2" thread - I	Prepared for mo	unting v with stainless steel pipe <sup>3</sup>															5	02	
Customer																	9	99	
	or submersible t	transmitter																	
Terminal clamp																			1003440
	- Stainless Stee	1 4 3 0 1																	1003440
Mounting screw																			5002200

0,-...without additional charge

On request...in accordance with the producer

St. steel flange, clamp and pipe are not parts of the supply !!!







Surcharges for calibration are not subject to any discounts. Subject to change.

This document contains the specification for ordering the product; detailed technical parameters of the product and its possible variants are given in the data sheet. BD SENSORS reserves the right to change sensor specifications without further notice.

- 1 min. permissible temperature from -15 °C
- 2 shielded cable with integrated ventilation tube for atmospheric reference
- 3 possible for probes in stainless steel; stainless steel pipe is not part of the supply
- 4 only in combination with housing in stainless steel 1.4404 (316L)



