



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 mH₂O up to 0 ... 100 mH₂O

Output signal

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

Special characteristics

- diameter 22 mm
- diaphragm ceramics 99.9% Al₂O₃
- 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 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



Sewage

waste water treatment water recycling



Fuel and oil

tank battery biogas plants













BD SENSORS s.r.o. Hradišťská 817 CZ - 687 08 Buchlovice





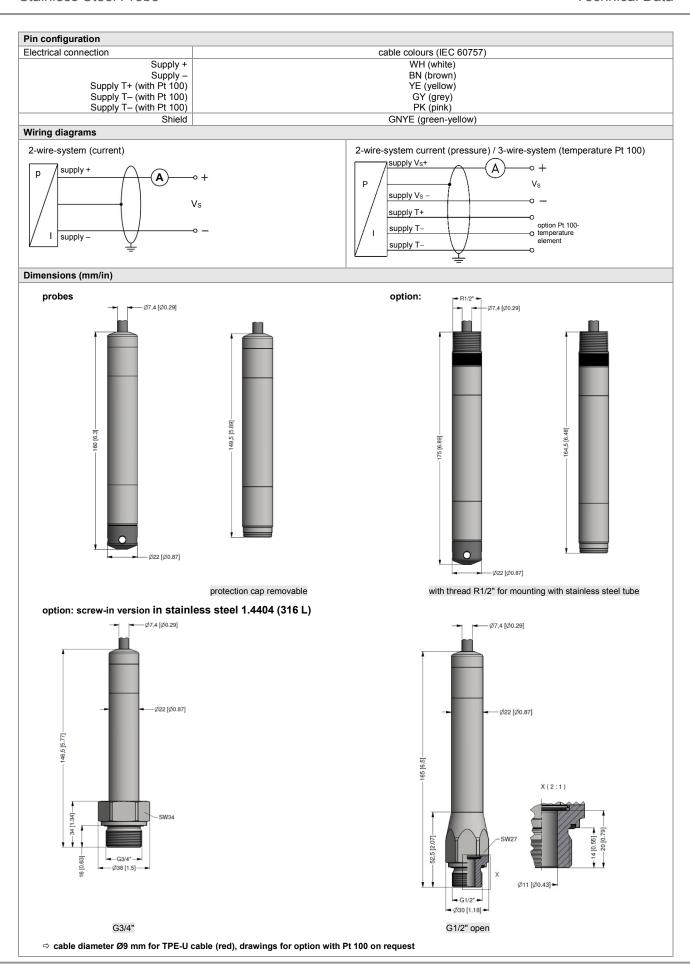
The company BD SENSORS s.r.o. is certified by TÜV SÜD Czech according to the standard ISO 9001.



Stainless Steel Probe

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 ₂ O]	1	1.6	2.5	4	6	10	16	25	40	60	100
Overpressure	[bar]	3	4	5	5	7	7	12	20	20	20	20
Burst pressure ≥	[bar]	4	6	8	8	9	9	18	25	25	30	30
Permissible vacuum	[bar]	-0.2	-0.3		-0	.5				-1		
Max. ambient pressure (hou	sing): 40 bar											

Output signal / Supply						
Standard	2-wire: 4 20 mA / '	/s = 12 36 \	Vnc			
Option IS-version	2-wire: 4 20 mA / \					
Option temperature element Pt 100	2 WII C. T 20 HIJ (7	73 1120	• DC			
Temperature range	-25 125 °C		1			
	3-wire					
Connectivity technology				tage 10 V _{DC} ,	in intrinsically safe cir	
Resistance	100 Ω at 0 °C			rrent 2 mA,	in intrinsically safe cir	
Temperature coefficient	3850 ppm/K		max. po	wer 10 mW,	in intrinsically safe cir	Cuit 405 mv
Supply Is	0.3 1.0 mA DC					
Performance						
Accuracy ¹	standard: ≤ ± 0.35 %	span	option: ≤	± 0.25 % spa	an	
Permissible load	$R_{\text{max}} = [(V_S - V_{S \text{min}})]$	0.02 A] Ω				
Influence effects	supply: 0.05 % span	/ 10 V	load: 0.0)5 % span / kg	Ω	
Long term stability	≤ ± 0.1 % span / yea	r				
Turn-on time	450 msec					
Mean response time	≤ 70 msec					
Measuring rate	80 Hz					
¹ accuracy according to EN IEC 62828-2		on-linearity hy	steresis reneatai	hility)		
Thermal effects (offset and span)	- min point adjustment (n	on miounty, my	otorooio, ropoutur	J(y)		
	< 1.4.0/					
Tolerance band	≤ ± 1 % span					
in compensated range	-20 80 °C					
Permissible temperatures						
Permissible temperatures	medium / storage: -2	5 85 °C				
Electrical protection ²						
Short-circuit protection	permanent					
Reverse polarity protection	no damage, but also	no function				
Electromagnetic compatibility	emission and immun		n FN 61326			
² additional external overvoltage protection				ure reference a	available on request	
Electrical connection	THE THE THE TENTH OF THE T	OF INE 2 WILLI GE	inospiicne press	ure reference e	TVallable off request	
	DUD (OF		~ ~ ~			
Cable with sheath material ³	,	70 °C) black				
Capie Willi Sheath Material "	FEP ⁴ (-25	70 °C) blacl	k Ø 7.4 mm			
Cabic with Sheath Material 5	FEP ⁴ (-25 TPE-U (-25 1	70 °C) blacl 25 °C) blue	k Ø 7.4 mm Ø 7.4 mm	(without / w	vith drinking water certi	ficate)
	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1	70 °C) black 25 °C) blue 25 °C) red	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm	<u> </u>		others on request
Bending radius	FEP ⁴ (-25 1 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10	70 °C) black 25 °C) blue 25 °C) red l-fold cable dia	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm	dynamic a	oplication: 20-fold cabl	others on request e diameter
Bending radius ³ shielded cable with integrated ventilatio ⁴ do not use freely suspended probes wit	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre-	70 °C) blact 25 °C) blue 25 °C) red I-fold cable dia ssure reference ue to highly cha	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes	dynamic a _l ssure ranges a	oplication: 20-fold cabl	others on request e diameter
Bending radius ³ shielded cable with integrated ventilatio ⁴ do not use freely suspended probes wit ⁵ only in combination with IS-version (exp	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre-	70 °C) blact 25 °C) blue 25 °C) red I-fold cable dia ssure reference ue to highly cha	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes	dynamic a _l ssure ranges a	oplication: 20-fold cabl	others on request e diameter
Bending radius ³ shielded cable with integrated ventilatio ⁴ do not use freely suspended probes wit ⁵ only in combination with IS-version (exp. Materials (media wetted)	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- h an FEP cable if effects di	70 °C) blact 25 °C) blue 25 °C) red -fold cable dia ssure reference ue to highly cha perature eleme	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter a (for nominal pre arging processes int Pt 100	dynamic a _l ssure ranges a	oplication: 20-fold cabl	others on request e diameter
Bending radius ³ shielded cable with integrated ventilatio ⁴ do not use freely suspended probes wit ⁵ only in combination with IS-version (exp	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- h an FEP cable if effects di losion protection) and tem	70 °C) blact 25 °C) blue 25 °C) red I-fold cable dia ssure reference ue to highly cha	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter a (for nominal pre arging processes int Pt 100	dynamic a _l ssure ranges a	oplication: 20-fold cabl	others on request e diameter ube is closed)
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre h an FEP cable if effects di diosion protection) and tem standard: stainless option: titanium	70 °C) blact 25 °C) blue 25 °C) red -fold cable dia ssure reference ue to highly cha perature eleme	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter a (for nominal pre arging processes int Pt 100	dynamic a _l ssure ranges a	oplication: 20-fold cabl	others on request e diameter
Bending radius ³ shielded cable with integrated ventilatio ⁴ do not use freely suspended probes wit ⁵ only in combination with IS-version (exp. Materials (media wetted)	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre h an FEP cable if effects of holosion protection) and tem standard: stainless option: titanium standard: FKM	70 °C) blact 25 °C) blue 25 °C) red 1-fold cable dia sure reference ue to highly che perature elements steel 1.4404 (k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes nt Pt 100	dynamic al ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed)
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 static installation: 10 n tube for atmospheric pre- h an FEP cable if effects di losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v	70 °C) blact 25 °C) blue 25 °C) red 1-fold cable dia sure reference us to highly chaperature eleme steel 1.4404 (k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes int Pt 100 (316 L)	dynamic a ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings)	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric per han FEP cable if effects d losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n	70 °C) blact 25 °C) blue 25 °C) red 1-fold cable dia sure reference berature element steel 1.4404 (without / with dain. permissible	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes nt Pt 100	dynamic a ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed)
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric per han FEP cable if effects de losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.99	70 °C) blact 25 °C) blue 25 °C) red 1-fold cable dia sure reference berature element steel 1.4404 (without / with dain. permissible	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes int Pt 100 (316 L)	dynamic a ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
Bending radius ³ shielded cable with integrated ventilatio ⁴ do not use freely suspended probes wit ⁵ only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- h an FEP cable if effects di losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.99	70 °C) blact 25 °C) blue 25 °C) red 1-fold cable dia sure reference berature element steel 1.4404 (without / with dain. permissible	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes int Pt 100 (316 L)	dynamic a ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
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Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- han FEP cable if effects di losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.99 POM-C PUR, FEP, TPE-U	70 °C) blact 25 °C) blue 25 °C) red 1-fold cable dia sure reference we to highly chaperature elements steel 1.4404 (without / with din. permissible 1.460 black and the steel	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter (for nominal pre arging processes nt Pt 100 (316 L)	dynamic a ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- h an FEP cable if effects di dosion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.99 POM-C PUR, FEP, TPE-U	70 °C) blact 25 °C) blue 25 °C) blue 25 °C) red 1-fold cable dia sure reference are to highly characteristics and the steel 1.4404 (without / with dinn. permissible 6 X / IECEx IB	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter (for nominal pre arging processes nt Pt 100 (316 L)	dynamic a ssure ranges a are expected	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
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Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- th an FEP cable if effects d dosion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.9° POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 zone 0: II 1G Ex ia zone 20: II 1D Ex ia	70 °C) black 25 °C) blue 25 °C) red -fold cable dia source reference be to highly cha berature eleme steel 1.4404 (without / with d hin. permissible 8 X / IECEX IB IIB T4 Ga IIIC T135 °C	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre erging processes int Pt 100 (316 L)	dynamic al ssure ranges a are expected rtificate) om -15 °C)	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum values	FEP ⁴ (-25 TPE-U (-25 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.9° POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 zone 0: II 1G Ex ia zone 20: II 1D Ex ia	70 °C) black 25 °C) blue 25 °C) red -fold cable dia sure reference berature eleme steel 1.4404 (without / with d in. permissible 6 X / IECEX IB IIB T4 Ga IIIC T135 °C P ₁ = 660 mW	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter (for nominal pre arging processes of Pt 100 (316 L) rinking water ce e temperature fr	dynamic al ssure ranges a are expected rtificate) om -15 °C)	oplication: 20-fold cabl	others on request e diameter ube is closed) others on request
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum values (pressure)	FEP ⁴ (-25 TPE-U (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- th an FEP cable if effects delosion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.9' POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 zone 0: II 1G Ex ia zone 20: II 1D Ex ia U ₁ = 28 V, I ₁ = 93 mA the supply connectio	70 °C) black 25 °C) blue 25 °C) blue 25 °C) red -fold cable dia source reference are to highly characteristic elements at the steel 1.4404 (without / with dinn. permissible 6 X / IECEX IB IIB T4 Ga IIIC T135 °C P ₁ = 660 mW is have an inr	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes int Pt 100 (316 L) rinking water ce e temperature fr	dynamic al ssure ranges a are expected rtificate) om -15 °C)	opplication: 20-fold cable besolute, the ventilation to	others on request e diameter ube is closed) others on request
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Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum values (pressure) Safety technical maximum values (temperature)	FEP ⁴ (-25 TPE-U (-25 TPE-U (-25 TPE-U 5 (-25 1 static installation: 10 In tube for atmospheric pre- in an FEP cable if effects di Idosion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (m ceramics Al ₂ O ₃ 99.99 POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 zone 0: II 1G Ex ia zone 20: III 1D Ex ia zone 20: III 1D Ex ia u 1= 28 V, I ₁ = 93 mA the supply connectio U ₁ = 30 V, I ₁ = 54 mA	70 °C) black 25 °C) blue 25 °C) red I-fold cable dia ssure reference we to highly cha be rature eleme steel 1.4404 (without / with d min. permissible 6 X / IECEx IB IIB T4 Ga IIIC T135 °C P ₁ = 660 mW shave an interpretation of the control of the control steel of the control of the control of the control steel of the control of the control of the control steel of the control of	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes nt Pt 100 (316 L) Irinking water ce e temperature fr BE 18.0019X Da , C _i = 49.2 nF, L ner capacity of n , C _i = 0 nF, L _i =	dynamic al ssure ranges a are expected rtificate) om -15 °C)	pplication: 20-fold cabl absolute, the ventilation to	others on request e diameter ube is closed) others on request
Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum values (pressure) Safety technical maximum values	FEP ⁴ (-25 TPE-U (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 static installation: 10 n tube for atmospheric pre- th an FEP cable if effects delosion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.9' POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 zone 0: II 1G Ex ia zone 20: II 1D Ex ia Ui = 28 V, Ii = 93 mA the supply connectio Ui = 30 V, Ii = 54 mA in zone 0:	70 °C) black 25 °C) blue 25 °C) blue 25 °C) red -fold cable dia source reference be to highly characteristic elements at the steel 1.4404 (without / with dinn. permissible without / without / with dinn. permissible without / w	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes int Pt 100 (316 L) rinking water ce e temperature fr	dynamic al ssure ranges a are expected rtificate) om -15 °C)	pplication: 20-fold cabl absolute, the ventilation to	others on request e diameter ube is closed) others on request
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Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum values (pressure) Safety technical maximum values (temperature) Permissible temp. for environment Connecting cables	FEP ⁴ (-25 TPE-U (-25 TPE-U (-25 TPE-U ⁵ (-25 1 static installation: 10 In tube for atmospheric pre- han FEP cable if effects di losion protection) and tem standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.99 POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 zone 0: II 1G Ex ia zone 20: II 1D Ex ia zone 20: II 1D Ex ia U _i = 28 V, I _i = 93 mA the supply connectio U _i = 30 V, I _i = 54 mA in zone 0: zone 1 and higher: cable capacity:	70 °C) black 25 °C) blue 25 °C) red 1-fold cable dia 25 °C) red 1-fold cable dia 25 sure reference 25 see 1.4404 (25 xithout / with d 25 xithout / with d 25 xithout / with d 26 xithout / with d 26 xithout / with d 27 xithout / with d 28 xithout / with d 29 xithout / with d 20 xithout / without / with d 20 xithout / with d 20 xithout / with d 20 xithout / with d 2	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes nt Pt 100 (316 L) rinking water ce e temperature fr BE 18.0019X Da , C _i = 49.2 nF, L ner capacity of n , C _i = 0 nF, L with p _{atm} 0.8 bal nield also signal	dynamic al ssure ranges a are expected rtificate) om -15 °C) i= 0 µH; nax. 100 nF o 0 µH (temperar up to 1.1 bar line/signal line/signal line/signal line	pplication: 20-fold cable besolute, the ventilation to perform the performance of the per	others on request e diameter ube is closed) others on request
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Bending radius 3 shielded cable with integrated ventilatio 4 do not use freely suspended probes wit 5 only in combination with IS-version (exp. Materials (media wetted) Housing Seals (O-rings) Diaphragm Protection cap Cable sheath Explosion protection Approval DX14B-LMK 387 Safety technical maximum values (pressure) Safety technical maximum values (temperature) Permissible temp. for environment Connecting cables (by factory) Miscellaneous Drinking water certificate 6 Option cable protection Current consumption Weight Ingress protection	FEP ⁴ (-25 TPE-U (-25 1 TPE-U ⁵ (-25 1 Static installation: 10 Intube for atmospheric present an FEP cable if effects delosion protection) and temperature standard: stainless option: titanium standard: FKM option: EPDM (v FFKM (n ceramics Al ₂ O ₃ 99.9° POM-C PUR, FEP, TPE-U IBEXU 15 ATEX 106 Zone 0: II 1G Ex ia zone 20: II 1D Ex ia Ui = 28 V, Ii = 93 mA the supply connection Ui = 30 V, Ii = 54 mA in zone 0: zone 1 and higher: cable capacity: cable inductance: according to DVGW prepared for mountine max. 22 mA approx. 180 g (without the property of the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA approx. 180 g (without in the prepared for mountine max. 22 mA	70 °C) black 25 °C) blue 25 °C) blue 25 °C) red -fold cable dia source reference be to highly characteristic elements at the second of the sec	k Ø 7.4 mm Ø 7.4 mm Ø 9.0 mm ameter e (for nominal pre arging processes int Pt 100 (316 L) Irinking water ce the temperature fr SE 18.0019X Da , Ci = 49.2 nF, L her capacity of n , Ci = 0 nF, Li = with patm 0.8 bai hield also signal hield also signal hield also signal	dynamic al ssure ranges a are expected rificate) om -15 °C) i= 0 µH; nax. 100 nF o 0 µH (temperar up to 1.1 bar line/signal l	pplication: 20-fold cablebsolute, the ventilation to phosphare the enclosure ature element Pt 100) e: 160 pF/m e: 1 µH/m	others on request e diameter ube is closed) others on request others on request



	dimensi	ons in mm	
size	DN25 / PN40	DN50 / PN40	DN80 / 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			
Suitable for	all probes		
Flange material	stainless steel 1.4404 (316L)		
Material of cable gland	standard: brass, nickel plated	on request: stainless steel 1.	4305 (303); plastic
Seal insert	material: TPE (ingress protection IF	P 68)	
Hole pattern	according to DIN 2507		
0.1.1.1.1.1		0.1.1	Woight

Ordering type	Ordering code	Weight
DN25 / PN40 with cable gland brass, nickel plated	5000275	1.4 kg
DN50 / PN40 with cable gland brass, nickel plated	5000278	3.2 kg
DN80 / PN16 with cable gland brass, nickel plated	5000279	4.8 kg

Terminal clamp



Technical data			
Suitable for	all probes with cable Ø 5.5 10.5 r	nm	
Material of housing	standard: steel, zinc plated	optionally: stainless steel 1.4	1301 (304)
Material of clamping jaws and positioning clips	PA (fibre-glass reinforced)		
Dimensions (mm)	174 x 45 x 32		
Hook diameter	20 mm		

Ordering type	Ordering code	Weight
Terminal clamp, steel, zinc plated	5000275	approx 160 a
Terminal clamp, stainless steel 1.4301 (304)	5000278	approx. 160 g

Display program

CIT 200

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

CIT 650 Multichannel process display with graphics-capable LC display and datalogger

CIT 700 / CIT 750 Multichannel process display with graphics-capable TFT monitor, touchscreen and contacts

PA 440 Field display with 4-digit LC display

Process display with LED display

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



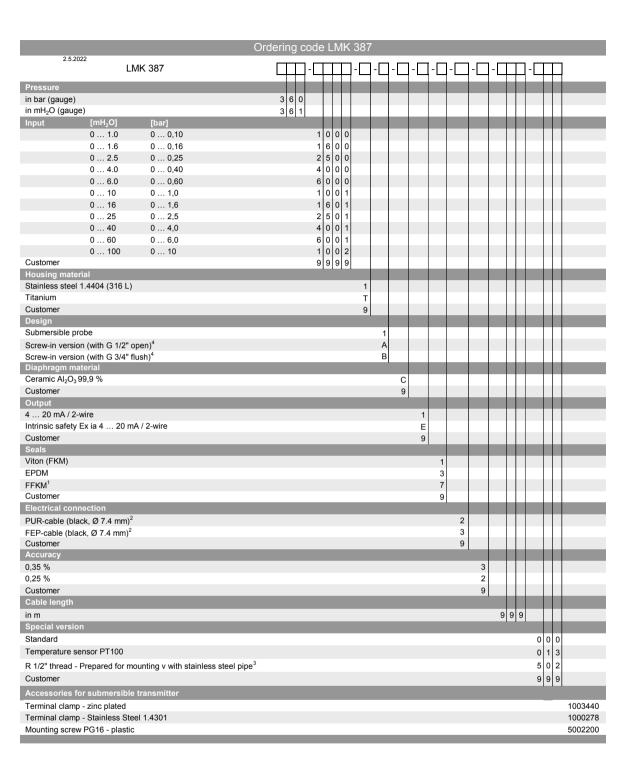
LMP331_EN_02.05.2022

Tel.:

+420 572 411 011

BD SENSORS pressure measurement





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.



BD SENSORS s.r.o. Hradišťská 817 CZ – 687 08 Buchlovice

Tel.: +420 572 411 011 Fax: +420 572 411 497

www.bdsensors.cz info@bdsensors.cz





- 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)

Tel.: +420 572 411 011 Fax: +420 572 411 497

