



LMK 306

Stainless Steel Probe

Ceramic Sensor

accuracy according to IEC 60770: 0.5 % FSO

Nominal pressure

from 0 ... 6 mH₂O up to 0 ... 200 mH₂O

Output signals

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

Special characteristics

- diameter 17 mm
- suitable for hydrostatic level measurement e.g. 3/4" pipes
- excellent linearity
- excellent long term stability

Optional versions

- different cable materials
- customer specific versionse.g. special pressure ranges

The slimline probe LMK 306 with ceramic sensor has been especially designed for the continuous level measurement at confined space conditions. Permissible media are clean or slightly contaminated water and thin fluids.

Different cable sheath materials are available in order to achieve maximum media compatibility.

Preferred areas of use are

Water



level measurement at confined space conditions ground water monitoring depth or level measurement in wells drinking water abstraction level measurement in open tanks

 ϵ



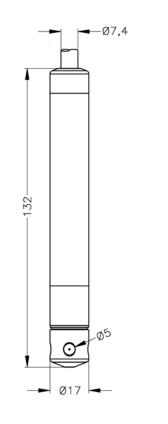
BD SENSORS GmbH BD-Sensors-Straße 1 D - 95199 Thierstein

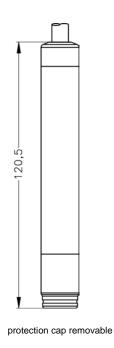
Tel: +49 (0) 92 35 / 98 11- 0 Fax: +49 (0) 92 35 / 98 11- 11



Input pressure range										
Nominal pressure gauge	[bar]	0.6	1	1.6	2.5	4	6	10	16	20
Level	[mH ₂ O]	6	10	16	25	40	60	100	160	200
Overpressure	[bar]	2	2	4	4	10	10	20	40	40
Burst pressure ≥	[bar]	4	4	5	5	12	12	25	50	50

2-wire: 4 20 mA / V _S = 12 36 V _{DC}
≤±0.5 % FSO
$R_{\text{max}} = [(V_{\text{S}} - V_{\text{S min}}) / 0.02 \text{ A}] \Omega$
supply: 0.05 % FSO / 10 V
load: 0.05% FSO / $k\Omega$
≤ 10 msec
mit point adjustment (non-linearity, hysteresis, repeatability)
n) / Permissible temperatures
≤±0.2 % FSO / 10 K
in compensated range -25 70 °C
medium: -10 70 °C
storage: -25 70 °C
permanent
no damage, but also no function
emission and immunity according to EN 61326
tion unit in terminal box KL 1 or KL 2 with atmospheric pressure reference available on request
PVC (-5 70 °C) grey
PUR (-10 70 °C) black
FEP (-10 70 °C) black e for atmospheric pressure reference
s tot authospiteric pressure reference
stainless steel 1.4404 (316L)
FKM
ceramics Al ₂ O ₃ 96 %
POM
cable capacitance: signal line/shield also signal line/signal line: 160 pF/m
cable inductance: signal line/shield also signal line/signal line: 1 µH/m
max. 25 mA
approx. 100 g (without cable)
IP 68
EMC Directive: 2004/108/EC
• + V _s • −





Accessories

Terminal clamp							
Technical Data		175					
Suitable for	all probes with cable Ø 5.5 10.5 mm		74				
Material	standard: steel, zinc plated optionally: stainless steel 1.4301 (304)		000				
Weight	approx. 160 g		*/ ₇₀				
Ordering type		Ordering code					
Terminal clamp, steel, z	nc plated	Z100528					
Terminal clamp, stainless steel 1.4301 (304)		Z100527					



			C)rderi	ng c	ode	LM	K 3	306								
LMK	306			- 🔲	∏-[□-□	- 🗌	- 🗌	-	-	- 🗌]-□				
ressure		in bar	3 7 0			-									-		
nput	[mH ₂ O]	in mH ₂ O [bar]	3 7 0 3 7 1	_	-	-						÷			_	-	
	6 10	0.60 1.0		6 0 0	0 1												
	16 25	1.6 2.5		2 5 (0 1												
	40 60	4.0 6.0		6 0 1	0 1												
	100 160 200	10 16 20		1 0 0 1 6 0 2 0 0 9 9 9	0 2												
ousing		customer	_	9 9	9 9	-						×			_	cons	ult
Stainless	steel 1.440	04 (316L) customer				1 9										cons	ult
iaphragm (Ceramics A	I ₂ O ₃ 96% customer				2										cons	ult
utput	4 20 m						1										
eals		customer					9									cons	ult
ccuracy		FKM customer	_	_	_	_	_	1 9								cons	ult
scui acy		0.5 % customer							5 9							cons	ult
ectrical connectior	P	VC-cable ¹								1							
	P -	UR-cable ¹								2							
		EP-cable ¹								0							14
able length		customer	-	-	-	-	-	-	-	9	0	0 0			-	cons	ult
able length		in m standard								9	9	9 9		0 0		=	
pecial version		in m standard customer	eference	=		=				9	9	9 9		0 0 9 9	=	cons	
pecial version		in m standard customer	eference							9	9	9 9		0 0 9 9	=	=	
pecial version		in m standard customer	eference							9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9	9	9 9 9		0 0 9 9	-	=	
pecial version		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference	-						99	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	
pecial version		in m standard customer	eference							99	9	9 9		0 0 9 9		=	
		in m standard customer	eference							9 9	9	9 9		0 0 9 9		=	

¹ cable with integrated air tube for atmospheric pressure reference



www.bdsensors.com info@bdsensors.de