



# LMK 458

Probe for Marine and Offshore

Ceramic Sensor

accuracy according to IEC 60770: standard: 0.25 % FSO option: 0.1 % FSO

#### **Nominal pressure**

from 0 ... 40 cmH<sub>2</sub>O up to 0 ... 200 mH<sub>2</sub>O

#### **Output signals**

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

#### **Special characteristics**

- diameter 39.5 mm
- diaphragm ceramics Al<sub>2</sub>O<sub>3</sub> 99.9 %
- LR-certificate (Lloyd's Register)
- DNV-approval (Det Norske Veritas)
- ABS-certificate (American Bureau of Shipping)
- CCS-certificate (China Classification Society)
- high overpressure resistance
- high long-term stability

#### **Optional versions**

- different housing materials (stainless steel, CuNiFe)
- IS-version
  Ex ia = intrinsically safe for gas
- screw-in and flange version
- accessories e.g. assembling and probe flange, mounting clamp

The hydrostatic probe LMK 458 has been developed for measuring level in service and storage tanks and is certificated for shipbuilding and offshore applications.

A permissible operating temperature up to 125 °C and the possibility to use the device in intrinsic safe areas enable to measure the pressure of various fluids under extreme conditions. The basis for the LMK 458 is a capacitive ceramic sensor element designed by BD|SENSORS, which offers a high overload resistance and medium compatibility.

#### Preferred areas of use are



drinking water abstraction desalinization plant

<u>Shipbuilding / Offshore</u> ballast tanks



monitoring of a ship's position and draught level measurement in ballast and storage tanks



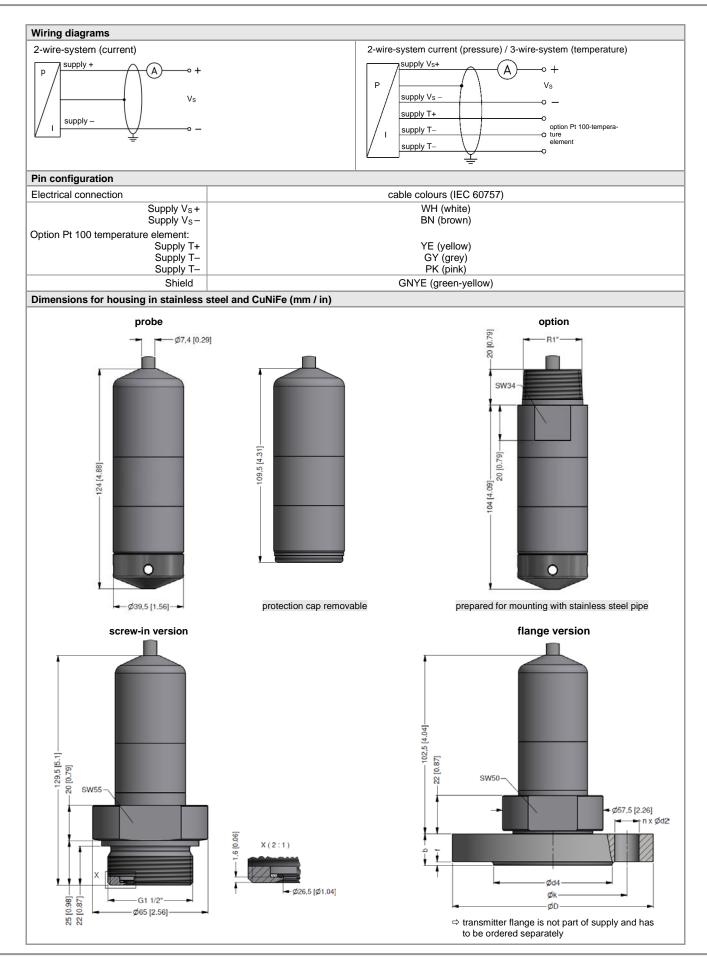
Tel.: +49 (0) 92 35 / 98 11- 0 Fax: +49 (0) 92 35 / 98 11- 11

### LMK 458 Probe for Marine and Offshore

Pressure ranges			1	1	1					1				1		
Nominal pressure gauge 1		0.04	0.06	0.1	0.16	0.25	0.4	0.6	1	1.6	2.5	4	6	10	16	20
Level	[mH2O]	0.4	0.6	1	1.6	2.5	4	6	10	16	25	40	60	100	160	200
Overpressure	[bar]	2	2	4	4	6	6	8	8	15	25	25	35	35	45	45
Permissible vacuum	[bar]		).2	-(	0.3		-0	.5					-1			
Max. ambient pressure (ho																
<sup>1</sup> available in gauge and abso	lute; nominal	pressure	ranges a	bsolute	from 1 ba	r										
Output signal / Supply																
Standard		2-wire:	4 20	mA / V	′s = 10	. 32 Vpc			Vsr	ated = 24	1 Vpc					
Option IS-version					's = 12					$a_{ted} = 24$						
Performance				, .	0.2.1	0 . D0										
Accuracy <sup>2</sup>				05.0/	500						- > 0	0 3	< L 0		0	
,			$\operatorname{trd}: \leq \pm 0$						opt	ion: for	p <sub>N</sub> ≥ 0.	o dar °:	$\leq \pm 0.$	1% FS	0	
Permissible load					0.02 A]											
Long term stability						ence con	ditions									
Influence effects			: 0.05 %	FSO /	10 V				per	missible	e load:	0.05 %	FSO /	kΩ		
Turn-on time		700 m														
Mean response time		< 200	msec						mea	an mea	suring I	rate 5/s	ec			
Max. response time		380 m														
<sup>2</sup> accuracy according to IEC 60																
<sup>3</sup> under the influence of disturb						kV accur	acy dec	reased t	$o \leq \pm 0.2$	25 % FS	0					
Thermal effects (offset a	nd span) /			nperat	ures											
Tolerance band		≤±1%	% FSO						in c	ompen	sated ra	ange -2	0 8	O°C		
Permissible temperatures		mediu	m / elect	ronics	/ enviror	nment: -2	25 12	25 °C	stor	age: -4	0 12	5 °C				
Electrical protection 4										-						
Short-circuit protection		perma	nent													
Reverse polarity protection	n	· ·		it also i	no functi	on										
Electromagnetic compatib			<u> </u>		ty accord			EN 613	26		אוער	et Nor	ske Ve	ritee)		
<sup>4</sup> additional external overvoltage												et nor	ske ve	mas)		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	je protection	unit in ter	minai bo	KAL TO	I KL Z WIU	naunospi	ienc pre	essure re	lerence	avaliabi	e					
Mechanical stability						_	- / .				- 1					
Vibration		4 g (ad	ccording	to DN	V: class	B, curve	2 / bas	sis: DIN	I EN 60	068-2-	5)					
Electrical connection																
Cable with sheath materia	5	TPE-U	blue	e Ø7	'.4 mm											
Bending radius																
		static i	nstallatio		fold cabl	e diamet	er		dyr	namic a	pplicati	on: 20-	fold ca	ble dia	meter	
5 shielded cable with integrate	d ventilation t			on: 10-1				oressure		namic a absolute					meter	
	d ventilation t			on: 10-1				oressure							meter	
Materials	d ventilation t	ube for a	tmospher	on: 10-1 ic pressi	ure refere	nce (for n	ominal (	oressure							meter	
	d ventilation t	ube for a	tmospher ird: stai	on: 10-1 <i>ic pressi</i> nless s	ure refere teel 1.44	nce (for n 104 (316	ominal j L)		ranges				tube is	closed)		act
Materials Housing	d ventilation t	ube for an standa option:	tmospher ard: stai	on: 10-1 ic pressi nless s Ni10Fe	ure refere teel 1.44	nce (for n	ominal j L)		ranges				tube is	closed)	meter on reque	est
Materials	d ventilation t	standa option: standa	tmospher ard: stai Cul ard: FKN	nless s Ni10Fe	ure refere iteel 1.44 1Mn (res	nce (for n 104 (316 sistant aç	ominal µ L) gainst s	sea wat	e ranges	absolute	e, the ve		tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted)	d ventilation t	standa option: standa options	tmospher Ird: stai Cul Ird: FKN S: EPI	nless s Ni10Fe M DM, FF	ure refere iteel 1.44 1Mn (res KM (min	nce (for n 104 (316	ominal µ L) gainst s	sea wat	e ranges	absolute	e, the ve		tube is C	closed) others c		
Materials Housing Seals (media wetted) Diaphragm	d ventilation t	standa option: standa options cerami	tmospher ard: stai Cul ard: FKN s: EPI ics Al <sub>2</sub> O:	nless s Ni10Fe M DM, FF	ure refere iteel 1.44 1Mn (res KM (min	nce (for n 104 (316 sistant aç	ominal µ L) gainst s	sea wat	e ranges	absolute	e, the ve		tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap	d ventilation t	standa option: standa options cerami POM-0	tmospher ard: stai cul ard: FKN s: EPI ics Al <sub>2</sub> O: C	nless s nless s Ni10Fe M DM, FF 3 99.9 %	ure refere iteel 1.44 1Mn (res KM (min %	nce (for n 104 (316 sistant aç 1. permis	ominal µ L) gainst s sible te	sea wat empera	e ranges er) ture fro	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm	d ventilation t	standa option: standa options cerami	tmospher ard: stai c Cul ard: FKI s: EPI ics Al <sub>2</sub> O: C (flai	nless s vi10Fe M DM, FF 3 99.9 %	ure refere iteel 1.44 1Mn (res KM (min %	nce (for n 104 (316 sistant ag 1. permis alogen fr	ominal   L) gainst s sible te ee, inc	sea wat empera reased	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath	d ventilation t	standa option: standa options cerami POM-0	tmospher ard: stai c Cul ard: FKI s: EPI ics Al <sub>2</sub> O: C (flai	nless s vi10Fe M DM, FF 3 99.9 %	ure refere iteel 1.44 1Mn (res KM (min %	nce (for n 104 (316 sistant aç 1. permis	ominal   L) gainst s sible te ee, inc	sea wat empera reased	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous	d ventilation t	standa option: standa options cerami POM-0	tmospher ard: stai c Cul ard: FKI s: EPI ics Al <sub>2</sub> O: C (flai	nless s vi10Fe M DM, FF 3 99.9 %	ure refere iteel 1.44 1Mn (res KM (min %	nce (for n 104 (316 sistant ag 1. permis alogen fr	ominal   L) gainst s sible te ee, inc	sea wat empera reased	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection		standa option: standa options cerami POM-C TPE-U	tmospher rd: stai Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C (flai resi	nless s nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection for probes in stainless stee		standa option: standa options cerami POM-C TPE-U	tmospher rd: stai Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C (flai resi	nless s nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa	nce (for n 104 (316 sistant ag 1. permis alogen fr	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection		standa option: standa options cerami POM-C TPE-U	tmospher rd: stai Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C (flai resi	nless s nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection for probes in stainless stee Ingress protection Current consumption		standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2	tmospher ard: stai c Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flar resi resi resi ed for m	on: 10-i ic press nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 9 me-resi stant a	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection for probes in stainless stee Ingress protection Current consumption		standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2	tmospher ird: stai ird: FKI ird:	on: 10-i ic press nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 9 me-resi stant a	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection for probes in stainless stee Ingress protection Current consumption Weight		standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 65	tmospher ard: stai c Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flar resi resi resi ed for m	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection for probes in stainless stee Ingress protection Current consumption Weight		standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 65	tmospher ard: stai c Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flar resi resi resi 21 mA 50 g (with Directive	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials Housing Seals (media wetted) Diaphragm Protection cap Cable sheath Miscellaneous Option cable protection for probes in stainless stee Ingress protection Current consumption Weight CE-conformity ATEX Directive		standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 63 EMC I 2014/3	tmospher ard: stai c Cut rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flar resi resi resi 21 mA 50 g (with Directive	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steet      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperatu		standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 63 EMC I 2014/3 6	tmospher ard: stai cult rd: FKN s: EPI ics Al <sub>2</sub> O: C ics Al <sub>2</sub> O: cult resi resi resi resi ed for m 21 mA 50 g (with Directive 34/EU	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature range	el re element	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25	tmospher ard: stai cult rd: FKN s: EPI ics Al <sub>2</sub> O: C ics Al <sub>2</sub> O: cult resi resi resi resi ed for m 21 mA 50 g (with Directive 34/EU	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature Connection temperature e	el re element	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 63 EMC I 2014/3 6 -25 3-wire	tmospher ard: stai cut: cut ard: FKN s: EPI ics Al <sub>2</sub> O: cut ics Al <sub>2</sub> O: cut	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature Connection temperature e Resistance	el re element	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω	tmospher ard: stai cut: cut rd: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi 21 mA 50 g (wit Directive 84/EU 125°C at 0°C	nless s Ni10Fe <sup>-</sup> M DM, FF 3 99.9 % me-resi stant a nounting	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steet Ingress protection Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature remperature range      Connection temperature e Resistance      Temperature coefficient	el re element	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p	tmospher ard: stai cut: stai cut: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	nless s Ni10Fe M DM, FF 3 99.9 9 me-resi stant a nounting thout ca : 2014/	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steet Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature connection temperature e Resistance      Temperature coefficient      Supply Is	el re element	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 6 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3	tmospher ard: stai cut: cut rd: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi 21 mA 50 g (wit Directive 84/EU 125°C at 0°C	nless s Ni10Fe M DM, FF 3 99.9 9 me-resi stant a nounting thout ca : 2014/	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steelingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature enge      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati	el re element lement	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 6 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3	tmospher ard: stai cut: stai cut: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	nless s Ni10Fe M DM, FF 3 99.9 9 me-resi stant a nounting thout ca : 2014/	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steet Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature e Resistance      Temperature range      Connection temperature coefficient      Supply Is	el re element lement	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 6 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3	tmospher ard: stai cut: stai cut: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	nless s Ni10Fe M DM, FF 3 99.9 9 me-resi stant a nounting thout ca : 2014/	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able)	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	absolute m -15 °	C)	ntilation	tube is C	closed) others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature enge      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr	el re element lement	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion	tmospher ard: stai cut: stai cut: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	nless s Ni10Fe M DM, FF 3 99.9 9 me-resi stant a nounting thout ca : 2014/	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able) '30/EU	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	m -15 °	C) ainst oi	ntilation	tube is cc cc asoline	closed) others c others c	on reque	
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature enge      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr	el re element lement ion with IS-v nent	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion	tmospher ard: stai cut: cut rd: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	nless s Ni10Fe M DM, FF 3 99.9 9 me-resi stant a nounting thout ca : 2014/	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able) '30/EU '30/EU	nce (for n 404 (316 isistant aç 1. permis alogen fr alt, sea v	ominal ( L) gainst s sible te ee, inc vater, h	sea wat empera reased neavy o	e ranges er) ture fro resista	m -15 ° nce ag	c) ainst oi	I and g	tube is CC CC asoline 	closed) others c others c		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature e Resistance      Temperature range      Connection temperature e Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd's Register (LR)	el re element lement ion with IS-v nent	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 Ω 0.3 ersion EMV1, tempe	tmospher ard: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flan red for m 21 mA 50 g (with Directive 84/EU 125°C at 0°C ppm/K 1.0 mA r stai EMV2, rature:	EMV3,	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa gainst sa gainst sa able) '30/EU , EMV4 vit	nce (for n 404 (316 sistant aç alogen fr alt, sea v ainless s	ominal p gainst s sible te ee, inc vater, h teel pip	sea wat empera reased neavy o	e ranges er) ture fro resista	m -15 ° nce aga	C) ainst oi	I and ga	tube is 	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection      for probes in stainless steet      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd's Register (LR)      Det Norske Veritas (DNV)	el re element lement ion with IS-v nent	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion	tmospher ard: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flan red for m 21 mA 50 g (with Directive 84/EU 125°C at 0°C ppm/K 1.0 mA r stai EMV2, rature:	EMV3,	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa gainst sa gainst sa able) '30/EU , EMV4 vit	nce (for n 404 (316 sistant ag alogen fr alt, sea v ainless s	ominal ( gainst s sible te vater, h teel pip	sea wat empera reased neavy o	e ranges er) ture fro resista	m -15 ° nce aga	C) ainst oi	I and ga	tube is 	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection      for probes in stainless steet      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environ      Lloyd's Register (LR)      Det Norske Veritas (DNV)	el re element lement ion with IS-v nent	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion EMV1, tempe humidi	tmospher ard: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C (flat resi red for m 21 mA 50 g (with Directive 84/EU 125°C at 0°C ppm/K 1.0 mA r stature: ty: ty: ty: ty: ty: ty: ty: ty	EMV3, DC	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able) '30/EU , EMV4 vit en	nce (for n 404 (316 sistant ag alogen fr alt, sea v ainless s	ominal ( gainst s sible te vater, h teel pip	sea wat empera reased neavy o	e ranges er) ture fro resista	numbe numbe	C) ainst oi	tificate tificate	tube is cc cc asoline : 13/20 : TAA0 patibili	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steet      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature enge      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd's Register (LR)      Det Norske Veritas (DNV)      Explosion protection 7      Approval DX14A-LMK 458	el re element lement ion with IS-v nent	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 64 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 EMV1, tempe humidi	tmospher ard: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C i (flan resi red for m 21 mA 50 g (with Directive 84/EU 125°C at 0°C opm/K 1.0 mA p , EMV2, rature: ity: 07 ATE	Dn: 10-i ic presso nless s Ni10Fe <sup>M</sup> DM, FF 3 99.9 % me-resi stant a nounting chout ca : 2014/ DC EMV3, D B X 1180	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able) 30/EU , EMV4 vit en	nce (for n 404 (316 sistant ac alogen fr alt, sea v ainless s ainless s	B	sea wat	ernges er) ture fro resista il)	numbe numbe	C) ainst oi	I and ga	tube is cc cc asoline : 13/20 : TAA0 patibili	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection      for probes in stainless steet      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environ      Lloyd's Register (LR)      Det Norske Veritas (DNV)	el re element lement ion with IS-v nent	standa option: standa option: standa option: cerami POM-C TPE-U prepar IP 68 max. 2 min. 64 EMC I 2014/3 6 -25 3-wire 100 $\Omega$ 3850 p 0.3 ersion EMV1, tempe humidi	tmospher ard: stai Cult ard: FKN s: EPI ics Al <sub>2</sub> O: C i (flan resi resi ed for m 21 mA 50 g (with Directive 84/EU 125°C at 0°C opm/K 1.0 mA 1 , EMV2, rature: ity: 07 ATE 3 V, Ii = S	Dn: 10-i ic pression nless s Ni10Fe M DM, FF 3 99.9 % me-resistant a nounting chout ca : 2014/ D EMV3, D B X 1180 03 mA,	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa gainst sa gainst sa able) 30/EU , EMV4 vilt en 0 X Pi = 660	nce (for n 404 (316 sistant ac alogen fr alt, sea v ainless s ainless s oration: closure:	ee, inc vater, h teel pip	sea wat	eranges er) ture fro resista il)	m -15 ° nce aga nce aga numbe numbe electro zone 0	c) ainst oi ainst oi r of cei r of cei magne	tificate tificate tic com	tube is CC asoline asoline 13/20 TAA0 patibili IIB T4	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steet Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperatur      Temperature range      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd's Register (LR)      Det Norske Veritas (DNV)      Explosion protection 7      Approval DX14A-LMK 458      Safety technical maximum	el re element lement ion with IS-v nent 3 values	standa option: standa option: standa option: cerami POM-C TPE-U prepar IP 68 max. 2 min. 69 EMC I 2014/3 6 $-25 \dots$ 3-wire 100 $\Omega$ 3850 p 0.3 ersion EMV1, tempe humidi	tmospher ard: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C (flai resi ed for m 21 mA 50 g (with Directive 84/EU 125°C at 0°C opm/K 1.0 mA to ppm/K 1.0 mA to ppm	Dn: 10-i ic pression nless s Ni10Fe M DM, FF 3 99.9 % me-resistant a nounting chout ca : 2014/ D EMV3, D B X 1180 03 mA,	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa gainst sa gainst sa able) 30/EU , EMV4 vit en ) X Pi = 660 ns have a	nce (for n 404 (316 sistant ag alogen fr alogen fr alt, sea v ainless s ainless s contine closure:	ee, inc vater, h teel pip B D = 105 capaci	sea wat empera reased neavy o be	ernges er) ture fro resista il)	m -15 ° nce aga nce aga numbe electro zone 0	c) ainst oi ainst oi r of cei r of cei magne	tificate tificate tic com	tube is CC asoline asoline 13/20 TAA0 patibili IIB T4	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection      for probes in stainless steet      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd´s Register (LR)      Det Norske Veritas (DNV)      Explosion protection 7      Approval DX14A-LMK 458      Safety technical maximum      Permissible temperatures	el re element lement ion with IS-v nent 3 values	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 63 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 rersion EMV1, tempe humidi IBExU U <sub>i</sub> = 28 the suj in zone	tmospher rd: stai Cult rd: FKN s: EPI ics Al2O: C resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	EMV3, DC DC DC DC DC DC DC DC DC DC DC DC DC	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa gainst sa gainst sa able) 30/EU , EMV4 vit en ) X Pi = 660 is have a -20 6	nce (for n 404 (316 sistant ag alogen fr alogen fr alt, sea v ainless s ainless s contine closure:	ee, inc vater, h teel pip B D = 105 capaci	sea wat empera reased neavy o be	ernges er) ture fro resista il)	m -15 ° nce aga nce aga numbe electro zone 0	c) ainst oi ainst oi r of cei r of cei magne	tificate tic com	tube is CC asoline asoline 13/20 TAA0 patibili IIB T4	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature engle      Connection temperature engle      Connection temperature engle      Connection temperature engle      Connection temperature for possible in combinati      Category of the environr      Lloyd´s Register (LR)      Det Norske Veritas (DNV)      Explosion protection 7      Approval DX14A-LMK 458      Safety technical maximum      Permissible temperatures environment	el re element lement ion with IS-v nent 3 values	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 63 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion EMV1, tempe humidi IBExU U <sub>i</sub> = 28 the suy in zone 1	tmospher rd: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa gainst sa gainst sa gainst sa gainst sa gainst sa gainst sa gainst sa gainst sa able) '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30	nce (for n 404 (316 sistant ac alogen fr alogen fr alt, sea v ainless s ainless s coration: closure: 0 mW, Ci an inner 0°C with	B B B B D = 105 capaci patm 0.	nF; Li=	e ranges er) ture fro resista il) : 0 μH; ax. 140 p to 1.	numbe numbe electro zone 0 nF opp 1 bar	C) ainst oi ainst oi r of cei magne <sup>8</sup> : II 11 posite th	tificate tificate tificate tificate tificate tic com	tube is cc cc asoline : 13/20 : TAA0 patibili IIB T4 osure	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection for probes in stainless steeting      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature      Resistance      Temperature range      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd´s Register (LR)      Det Norske Veritas (DNV)      Explosion protection 7      Approval DX14A-LMK 458      Safety technical maximum      Permissible temperatures      environment      Connecting cables	el re element lement ion with IS-v nent 3 values	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 68 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion EMV1, tempe humidi IBExU Ui = 28 the suj in zone 1 cable o	tmospher ard: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: (flar resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	Dn: 10-i ic pression nless s Ni10Fe <sup>-</sup> DM, FF DM, FF a 99.9 % me-resistant a nounting chout ca : 2014/ chout chout	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able) '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU	nce (for n 404 (316 sistant ag alogen fr alt, sea v ainless s ainless s cration: closure: 0 mW, Ci an inner 0°C with 0°C	ee, inc vater, h teel pip B B D = 105 capaci patm 0. d as we	nF; Li= ty of ma 8 bar u	e ranges er) ture fro resista il) 	m -15 ° nce aga nce aga numbe electro zone 0 nF opp 1 bar e/signa	C) ainst oi ainst oi r of cei magne <sup>8</sup> : II 11 posite th I line: 1	tificate tificate tificate tificate tificate tificate tificate tificate tificate	tube is cc cc asoline : 13/20 : TAA0 patibili IIB T4 osure	others of others		
Materials      Housing      Seals (media wetted)      Diaphragm      Protection cap      Cable sheath      Miscellaneous      Option cable protection      for probes in stainless stee      Ingress protection      Current consumption      Weight      CE-conformity      ATEX Directive      Option Pt 100 temperature      Resistance      Temperature range      Connection temperature e      Resistance      Temperature coefficient      Supply Is <sup>6</sup> not possible in combinati      Category of the environr      Lloyd´s Register (LR)      Det Norske Veritas (DNV)      Explosion protection 7      Approval DX14A-LMK 458      Safety technical maximum      Permissible temperatures environment	el re element lement ion with IS-v nent a values for	standa option: standa options cerami POM-C TPE-U prepar IP 68 max. 2 min. 66 EMC I 2014/3 6 -25 3-wire 100 Ω 3850 p 0.3 ersion EMV1, tempe humidi IBExU U <sub>i</sub> = 28 the suj in zone zone 1 cable o cable i	tmospher trd: stai Cult rd: FKN s: EPI ics Al <sub>2</sub> O: C red for m red for m red for m resi red for m resi red for m resi red for m resi red for m resi resi red for m resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi resi	EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, DC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV3, CC EMV	ure refere teel 1.44 1Mn (res KM (min % istant, ha gainst sa g with sta able) '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU '30/EU	nce (for n 404 (316 sistant ac alogen fr alogen fr alt, sea v ainless s ainless s coration: closure: 0 mW, Ci an inner 0°C with	ee, inc vater, h teel pip B B D = 105 capaci patm 0. d as we	nF; Li= ty of ma 8 bar u	e ranges er) ture fro resista il) 	m -15 ° nce aga nce aga numbe electro zone 0 nF opp 1 bar e/signa	C) ainst oi ainst oi r of cei magne <sup>8</sup> : II 11 posite th I line: 1	tificate tificate tificate tificate tificate tificate tificate tificate tificate	tube is cc cc asoline : 13/20 : TAA0 patibili IIB T4 osure	others of others		

### LMK 458

Probe for Marine and Offshore



## LMK 458

Probe for Marine and Offshore

		Г		dimonsi	ons in mm	
n x Ød2	1	-		DN25 /	DN50 /	DN80 /
		4	size	PN40	PN40	PN16
		<u>م</u>	b	18	20	20
		<b>V</b>	D	115	165	200
			d2	14	18	18
	- d4	_	d4	68	102	138
-	— k ————	_	f k	2 85	3 125	3 160
-	— D	-	n	4	4	8
		L		•	·	Ű
Technical data						
Suitable for	LMK 382, LMK 382H, LMK 458,	, LMK 458H				
Flange material	stainless steel 1.4404 (316L)					
Hole pattern	according to DIN 2507					
Ordering type		Orde	ering cod	e		Weight
Transmitter flange DN25 / PN40			SF2540			1.2 kg
Transmitter flange DN50 / PN40		Z	SF5040			2.6 kg
Transmitter flange DN80 / PN16		Z	SF8016			4.1 kg
cable gland M16x1.5	d					
	d	- <b>1</b> -			ons in mm	
cable gland M16x1.5 with seal insert		22	size	DN25 /	DN50 /	DN80 /
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)				DN25 / PN40	DN50 / PN40	PN16
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)			b	DN25 / PN40 18	DN50 / PN40 20	PN16 20
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)		b		DN25 / PN40	DN50 / PN40	PN16
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)		bt25	b D	DN25 / PN40 18 115	DN50 / PN40 20 165	PN16 20 200
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)			b D d2 d4 f	DN25 / PN40 18 115 14 68 2	DN50 / PN40 20 165 18 102 3	PN16 20 200 18 138 3
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)			b D d2 d4 f k	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125	PN16 20 200 18 138 3 160
with seal insert (for cable-Ø 4 11 mm)			b D d2 d4 f	DN25 / PN40 18 115 14 68 2	DN50 / PN40 20 165 18 102 3	PN16 20 200 18 138 3
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)			b D d2 d4 f k	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125	PN16 20 200 18 138 3 160
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)			b D d2 d4 f k	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125	PN16 20 200 18 138 3 160
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm) n x d2			b D d2 d4 f k	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125	PN16 20 200 18 138 3 160
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm) n x d2			b D d2 d4 f k	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125	PN16 20 200 18 138 3 160
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm) n x d2 <b>Technical data</b> Suitable for	d4 k D all probes		b D d2 d4 f k	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125	PN16 20 200 18 138 3 160
cable gland M16x1.5 with seal insert (for cable-⊘ 4 11 mm) n x d2	d4 k D all probes stainless steel 1.4404 (316L)		b D d2 d4 f k n	DN25 / PN40 18 115 14 68 2 85 4	DN50 / PN40 20 165 18 102 3 125 4	PN16 20 200 18 138 3 160 8
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm) n x d2 <b>Technical data</b> Suitable for Flange material Material of cable gland	d4 k D all probes stainless steel 1.4404 (316L) standard: brass, nickel plated		b D d2 d4 f k n	DN25 / PN40 18 115 14 68 2 85	DN50 / PN40 20 165 18 102 3 125 4	PN16 20 200 18 138 3 160 8
cable gland M16x1.5 with seal insert (for cable-⊘ 4 11 mm) n x d2 Technical data Suitable for Flange material Material of cable gland Seal insert	d4 k D all probes stainless steel 1.4404 (316L)		b D d2 d4 f k n	DN25 / PN40 18 115 14 68 2 85 4	DN50 / PN40 20 165 18 102 3 125 4	PN16 20 200 18 138 3 160 8
cable gland M16x1.5 with seal insert (for cable-⊘ 4 11 mm) n x d2 Technical data Suitable for Flange material Material of cable gland Seal insert Hole pattern	all probes stainless steel 1.4404 (316L) standard: brass, nickel plated material: TPE (ingress protection	on IP 68)	b D d2 d4 f k n	DN25 / PN40 18 115 14 68 2 85 4 4	DN50 / PN40 20 165 18 102 3 125 4	PN16 20 200 18 138 3 160 8
cable gland M16x1.5 with seal insert (for cable-⊘ 4 11 mm) n x d2 Technical data Suitable for Flange material Material of cable gland Seal insert Hole pattern Ordering type	all probes stainless steel 1.4404 (316L) standard: brass, nickel plated material: TPE (ingress protection according to DIN 2507	on IP 68) Orde	b D d2 d4 f k n	DN25 / PN40 18 115 14 68 2 85 4 4	DN50 / PN40 20 165 18 102 3 125 4	PN16 20 200 18 138 3 160 8 3); plastic
cable gland M16x1.5 with seal insert (for cable-Ø 4 11 mm)	all probes stainless steel 1.4404 (316L) standard: brass, nickel plated material: TPE (ingress protection according to DIN 2507	on IP 68) Orde Z	b D d2 d4 f k n	DN25 / PN40 18 115 14 68 2 85 4 4	DN50 / PN40 20 165 18 102 3 125 4	PN16 20 200 18 138 3 160 8 3); plastic Weight



www.bdsensors.de info@bdsensors.de

BD	SE	NS	ORS
1		pressure	measurement

	Ordering cod	e LMK 45	58		
LMK 458		- 🗌 - 🔲 - 🔲	-0-0-0		
In bar, gauge        in bar, gauge        in bar, absolute 1        in mH <sub>2</sub> O        Input      [mH <sub>2</sub> O]        0.4      0.04        0.6      0.06        1.0      0.10        1.6      0.16        2.5      0.25        4.0      0.40        6.0      0.60        10      1.0        16      1.6        25      2.5        40      4.0        60      6.0        100      10        160      16        200      20        customer      Customer	7  6  5    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  8    7  6  6    0  6  0    1  0  0    1  6  0    1  6  0    1  6  0    2  5  0    4  0  0    1  6  0    2  5  0    1  6  0    2  0  0    2  0  0    2  0  0				consult
Housing stainless steel 1.4404 (316L) copper-nickel-alloy (CuNi10Fe1Mn)	1 K				
customer Design probe flange version <sup>2</sup> screw-in version	9	1 3 5	-		consult
Diaphragm ceramics Al <sub>2</sub> O <sub>3</sub> 99.9 % customer Output		C 9			consult
4 20 mA / 2-wire intrinsic safety 4 20 mA / 2-wire customer Seal		1 E 9	1		consult
EPDM FFKM <sup>3</sup> customer Electrical connection			3 7 9		consult
TPE-U-cable (blue, Ø 7.4 mm) <sup>4</sup> customer Accuracy		_	4 9		consult
standard 0.25 % FSO option für P <sub>N</sub> ≥0.6 bar: 0.1 % FSO customer			2 1 9		consult
Cable length in m Special version		_	_	999	
standard with temperature sensor Pt 100 <sup>5</sup> prepared for mounting <sup>6</sup> with stainless steel pipe				0 ( 0 - 5 (	0 0 1 3 0 2
customer				9 9	9 9 consult
nominal pressure ranges absolute from 1 bar mounting accessories are not part of supply and have to min. permissible temperature from -15°C shielded cable with integrated ventilation tube for atmosy not possible in combination with IS-version possible for probes in stainless steel; stainless steel pipe	pheric reference				