



# **DMP 331i / DMP333i** LMP 331 i

**Precision Pressure Transmitter /** Screw-in transmitter

Stainless Steel Sensor

accuracy according to EN IEC 62828-2: 0.1 % span

## **Nominal pressure**

from 0 ... 400 mbar up to 0 ... 600 bar

## **Output signal**

2-wire: 4 ... 20 mA

3-wire: 0 ... 10 V (only for DMP 331i

and LMP 331i) others on request

#### **Product characteristics**

- thermal error in compensated range -20 ... 80 °C: 0.2 % span TC 0.02 % span / 10K
- turn:down 10:1
- communication interface for adjusting of offset, span and damping

# **Optional versions**

- **IS-versions** Ex ia = intrinsically safe for gases and dusts
- adjustment of nominal pressure gauges (factory-provided)

The precision pressure transmitter DMP 331i and DMP 333i as well as the precision screw-in level probe LMP 331i demonstrate the further development of our industrial pressure transmitters.

The signal of the sensor is processed by the intelligent digital electronics with 16-bit A/D converter which is able to do an active temperature compensation and linearization. Due to this we are able to offer the transmitters with excellent measurement parameters and exceptionally attractive price.

### Preferred areas of use are DMP 331i / DMP 333i



Laboratory Techniques



Energy production (gas consumption and thermal energy measurement)

#### Preferred areas of use are LMP 331i



Chemical / petrochemical industry



**Environmental Engineering** (water / sewage / recycling)



















## Precision Pressure Transmitter / Screw-in Transmitter

Pressure ranges DMP	331 i <sup>1</sup>							
Nominal pressure gauge / absolute	[bar] [bar]	0.4	1	2	4	10	20	40
Overpressure	[bar]	2	5	10	20	40	80	105
Burst pressure	[bar]	3	7,5	15	25	50	120	210
<sup>1</sup> On customer request we a	adjust the device	within the tur	n-down-possibil	ity by software o	n the required p	ressure range.		

Vacuum ranges						
Nominal pressure	[bar]	-0.4 0.4	-1 1	-1 2	-1 4	-1 10
Overpressure	[bar]	2	5	10	20	40
Burst pressure	[bar]	3	7.5	15	25	50

Pressure ranges DMP	333 i <sup>1</sup>					
Nominal pressure	[bar]	60	100	200	400	600
gauge / absolute	[bar]	60	100	200	400	600
Overpressure	[bar]	210	210	600	1000	1000
Burst pressure	[bar]	420	420	1000	1250	1250
1 On customer request we a	adjust the device v	vithin the turn-down	n-nossibility by software	on the required pressi	ire range	

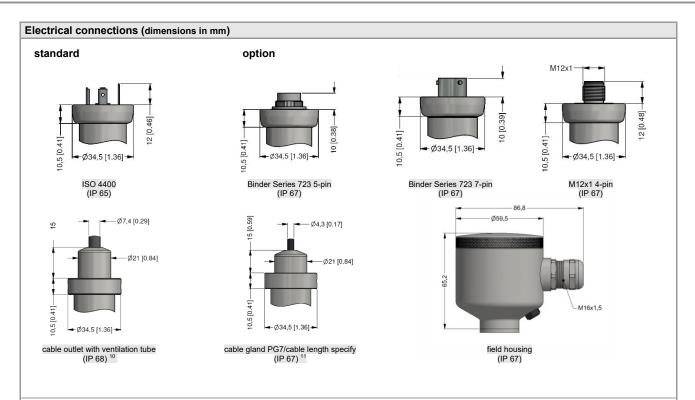
0.4	1	2	4	10	20	40
0.4	·	2	4	10	20	40
						1
4	10	20	40	100	200	400
2	5	10	20	40	80	105
3	7.5	15	25	80	120	210
	4 2 3	2 5 3 7.5	2 5 10 3 7.5 15	2         5         10         20           3         7.5         15         25	2 5 10 20 40	2         5         10         20         40         80           3         7.5         15         25         80         120

on additional request we dejust the dev	ice within the turn-down-possibility by software on the required pressure range.
0	
Output signal / Supply	
Standard	2-wire: 4 20 mA / V <sub>S</sub> = 12 36 V <sub>DC</sub>
Option Exi, MINES – M1	2-wire: 4 20 mA / V <sub>S</sub> = 14 28 V <sub>DC</sub>
Options analog signal	2-wire: 4 20 mA with communication interface <sup>2</sup>
	3-wire*: 0 10 V / V <sub>S</sub> = 14 36 V <sub>DC</sub>
	0 10 V with communication interface <sup>2</sup>
* only for DMP 331i and LMP 331i	
<sup>2</sup> only possible with el. connection Binder	series 723 (7-pin)
Performance	
Accuracy <sup>3</sup>	≤ ± 0.1 % span
performance after turn-down	
' - TD ≤ 5:1	no change of accuracy <sup>4</sup>
- TD > 5:1	for calculation use the following formula (for nominal pressure ranges ≤ 0.40 bar see note 5):
	$\leq \pm [0.1 + 0.015 \text{ x turn-down}] \% \text{ span}$
	with turn-down = nominal pressure range / adjusted range
	e.g. with a turn-down of 10:1 following accuracy is calculated:
	$\leq \pm (0.1 + 0.015 \times 10)$ % span i.e. accuracy is $\leq \pm 0.25$ % span
Permissible load	current 2-wire: $R_{\text{max}} = [(V_{\text{S}} - V_{\text{S}} \text{ min}) / 0.02 \text{ A}] \Omega$ voltage 3-wire: $R_{\text{min}} = 10 \text{ k}\Omega$
Influence effects	supply: $0.05\%$ span / $10\text{ V}$ load: $0.05\%$ span / $k\Omega$
Long term stability	≤ ± (0.1 x turn-down) % span / year
Long term stability	current output 420 mA (2-wire) 5ms
Response time	voltage output 0 10 V 25 ms
Adjustability	configuration of following parameters possible (interface / software necessary <sup>5</sup> ):
Adjustability	- electronic damping: 0 100 sec
	- offset: 0 90 % span
	- turn down of span: max. 10:1
3 accuracy according to EN IEC 62828-2-	limit point adjustment (non-linearity, hysteresis, repeatability)
	O bar; for these calculation of accuracy is as follows:
	ı. turn-down of 3:1: ≤ ± (0.1 + 0.02 x 3 ) % span i.e. accuracy is ≤ ± 0.16 % span
	e ordered separately (software appropriate for Windows® 95, 98, 2000, NT Version 4.0 or higher, and XP)
Thermal effects (Offset and Span	/ Permissible temperatures
Tolerance band [% span]	$\leq \pm (0.2 \text{ x turn-down})$
	in compensated range -20 80 °C
TC, average [% span / 10 K]	± (0.02 x turn-down)
	in compensated range -20 80 °C
Permissible temperatures	Standard product: medium: -25 125 °C / electronics / environment:-25 85 °C / storage: -40 100 °C*
	Exi: in zone 0: -20 60 °C with p <sub>atm</sub> 0,8 bar up to 1,1 bar in zone 1 or higher: -20 65 °C
	Ex (MINES - M1): Medium: -2070 °C / transmitter: -2065 °C / storage: -2570 °C
Electrical protection	
Short-circuit protection	permanent
Reverse polarity protection	no damage, but also no function

TxD GND

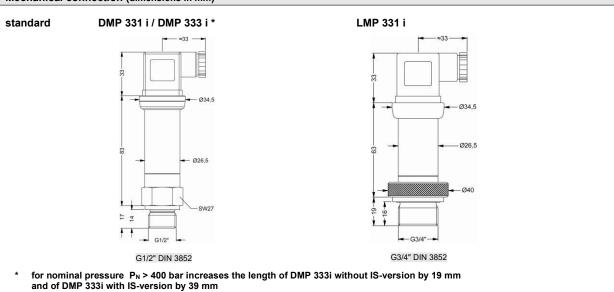
<sup>9</sup> may not be transmitted directly with the PC (the suitable adapter is available as accessory)

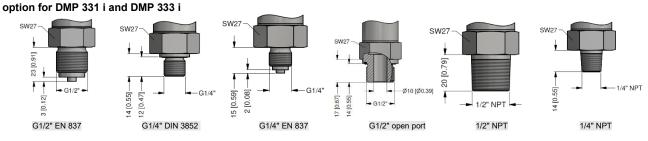
Electromagnetic compatibility	emiss										
Materials											
Pressure port	stainle	ess steel 1.440	04 (316 L)								
Housing		ess steel 1.440									
Option field housing				e gland M16x1	I.5, brass, nickel	plated (cla	amping rand	ie 2 8 mm			
Seals		331i / LMP 33		giania in rox	, ב	piatou (oit		, = •			
Scals	DMP		NBR								
	option		welded v	ersion <sup>6</sup>							
		on request	wciaca v	CISIOII							
Diaphragm		ess steel 1.443	25 (2161 )								
Media wetted parts											
		ure port, seals				2 12 1					
welded version only with pressu	ire poπs accordi	ng to EN 837; W	eiaea version no	t available with	pressure ranges ≤	0.16 bar an	a > 40 bar				
Mechanical stability											
Vibration		RMS (20 20		ding to DIN E							
Shock	100 g	/ 11 msec	accor	ding to DIN E	N 60068-2-27						
Explosion protection (only	for 4 20 m/	A / 2-wire)									
Approvals DX9-DMP 331		J10ATEX1122	) Y								
DX9-DMP 333			ia IIC T4 Ga								
DX9-LMP 331i				: Da							
Approvals IBExU13ATEX104		zone 20: II 1D Ex ia IIIC T135°C Da  I M1 Ex ia I Ma (MINES - M1)									
Approvate IDEXU IDATEX 104		,		:							
Safety technical max. values			A, P <sub>i</sub> = 660 mW								
carety teermiear max. values	the su	pply connection	ons have an in	ner capacity o	f max. 27 nF to	the housing	g				
Connecting cables	cable	capacitance:	signal line/shie	eld also signal	line/signal line:	160 pF/m					
(by factory)					ne/signal line: 1μ						
Miscellaneous											
	oignal	output ourront	t: max. 25	m ^							
Current consumption		output current									
M/-:		signal output voltage: max. 7 mA									
Neight		approx. 200 g									
nstallation position	any <sup>7</sup>	,									
Operational life		100 million load cycles  EMC Directive: 2014/30/EU Pressure Equipment Directive: 2014/68/EU (module A) 8									
CE-conformity	EMC I	Directive: 2014	I/30/EU	Pressu	ure Equipment D	irective: 20	)14/68/EU (	module A) <sup>8</sup>			
ATEX Directive	2014/	34/EU									
<sup>7</sup> Pressure transmitters are calibr	ated in a vertical	position with th	e pressure conn	ection down. If to	his position is char	nged on insta	allation there	can be slight			
deviations in the zero point for p						<b>9</b>					
8 This directive is only valid for de	vices with maxii	mum permissible	e overpressure >	200 bar							
Wiring diagrams											
0into (t)			2	( It)							
2-wire-system (current)			3-wire-system	, ,							
p supply + (A)	<b>∘</b> +		p suppl	v +	<del></del>						
			I I /	<b>─</b> \	Vs						
	Vs				<del></del>						
	*3		supply	y –							
supply -			/	\	$\overline{\mathbf{w}}$						
<u> </u>	<del></del>		/ U signa								
=			/  Sigila	ı+ \ \ \ \ \ \ \	$\mathbf{v}^{\lrcorner}$						
			/sigila	ı+ Å,							
Pin configuration			/Signa	ı+ Å,							
Pin configuration			Signa	ı+ Å,		Rayone	t MIL -C-				
Pin configuration			y signa	1+ \(\frac{1}{2}\)			et MIL-C-				
Pin configuration	150 4400			÷			et MIL-C- ! (10-6)				
Pin configuration	ISO 4400	Binder 723	Binder	± M12x1/							
Pin configuration	ISO 4400	Binder 723 (5-pin)	Binder 723/423	M12x1/	field housing			cable co.			
Pin configuration	ISO 4400		Binder	± M12x1/				cable co-			
Pin configuration  Electrical connections	ISO 4400		Binder 723/423	M12x1/	field housing	26482		lours			
	ISO 4400		Binder 723/423	M12x1/		26482		lours (DIN			
	ISO 4400		Binder 723/423	M12x1/	field housing	26482		lours			
	ISO 4400		Binder 723/423	M12x1/	field housing	26482		lours (DIN			
	ISO 4400		Binder 723/423	M12x1/	field housing	26482		lours (DIN			
	ISO 4400		Binder 723/423	M12x1/	field housing	26482 C D	2 (10-6) B A	lours (DIN			
Electrical connections	3	(5-pin) 3 2 4 5	Binder 723/423 (7-pin) 3 2	M12x1/ metal (4-pin)	field housing  Vs+ Vs- S+ GND	26482 C 2-wire	2 (10-6) B A 2-wire	lours (DIN 47100)			
Electrical connections supply +	3	(5-pin) 3 4 5	Binder 723/423 (7-pin) 3 2 2 3	M12x1/ metal (4-pin)	field housing  Vs+ Vs- S+ GND  Vs +	26482 C 2-wire	2-wire	lours (DIN 47100)			
Electrical connections  supply + supply –	3 2	(5-pin) 3 4 3 4	Binder 723/423 (7-pin) 3 1	M12x1/ metal (4-pin) 3 4	field housing  Vs+ Vs- S+ GND  Vs + Vs -	26482 C 2-wire	2-wire  A D	lours (DIN 47100) wh (white) bn (brown)			
Electrical connections supply +	3	(5-pin) 3 4 5	Binder 723/423 (7-pin) 3 2 2 3	M12x1/ metal (4-pin)	field housing  Vs+ Vs- S+ GND  Vs +	26482 C 2-wire	2-wire	lours (DIN 47100) wh (white) bn (brown) gn (green)			
Supply + supply - signal + (only for 3-wire)	3 1 2 3 3	(5-pin)  3  4  1	Binder 723/423 (7-pin) 3 1 6	M12x1/ metal (4-pin) 3 4 1 2 3	field housing  Vs+Vs-S+GND  Vs+ Vs- S+	26482 C 2-wire	2-wire  A D B B	lours (DIN 47100) wh (white) bn (brown) gn (green) gn/ye			
Electrical connections  supply + supply –	3 2	(5-pin) 3 4 3 4	Binder 723/423 (7-pin) 3 1	M12x1/ metal (4-pin) 3 4	field housing  Vs+ Vs- S+ GND  Vs + Vs -	26482 C 2-wire	2-wire  A D	lours (DIN 47100)  wh (white) bn (brown) gn (green) gn/ye (green/yel-			
Supply + supply - signal + (only for 3-wire) shield	3 1 2 3 3	(5-pin)  3  4  1	Binder 723/423 (7-pin) 3 1 6	M12x1/ metal (4-pin) 3 4 1 2 3	field housing  Vs+Vs-S+GND  Vs+ Vs- S+	26482 C 2-wire	2-wire  A D B B	lours (DIN 47100)  wh (white) bn (brown) gn (green) gn/ye			
Supply + supply - signal + (only for 3-wire)	3 1 2 3 3	(5-pin)  3  4  1	Binder 723/423 (7-pin) 3 1 6	M12x1/ metal (4-pin) 3 4 1 2 3	field housing  Vs+Vs-S+GND  Vs+ Vs- S+	26482 C 2-wire	2-wire  A D B B	lours (DIN 47100)  wh (white) bn (brown) gn (green) gn/ye (green/yel-			



<sup>&</sup>lt;sup>10</sup> different cable types and lengths available, permissible temperature depends on kind of cable

## Mechanical connection (dimensions in mm)





⇒ metric threads and others on request

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<sup>11</sup> standard: 2 m PVC cable (without ventilation tube, permissible temperature: -5 ... 70 °C)

## Programming kits for i-devices: CIS 510-RS232 and CIS 510-USB

CIS 510-RS232



CIS 510-USB



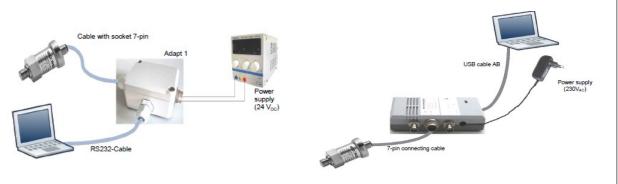
Supply V <sub>S</sub>	for CIS 510-RS232: 24V <sub>DC</sub>						
,	for CIS 510-USB: 24V <sub>DC</sub>						
	Programming software "Config 3.0" on CD operating manual						
	CIS 510-RS232:						
	Adapt 1						
Package contents	RS-232 connecting cable (for PC)						
J	7-pin connecting cable (for measuring device)						
	CIS 510-USB:						
	Adapt 5						
	USB connecting cable (for PC)						
	7-pin connecting cable (for measuring device)						
System requirement	For the installation of the software, a Windows® PC (95, 98, ME, 2000, NT, XP) with serial interface (RS 232) or USB-interface is required						

## Please read the operating manual carefully before installing and starting up the programming kit.

#### Wiring diagrams

## CIS 510-RS232:





#### Ordering codes

Version: Ordering code:

Adapt 1 with RS232 connecting cable for PC CIS 510-RS232

Adapt 5 with USB connecting cable for PC CIS 510-USB

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Ordering co	ode DMP 331i
DMP 331i	
Pressure	
Gauge (0,440 bar)	1 1 0
Absolute (0,440 bar)	1 1 1
nput [bar]	
0 0,4	4 0 0 0
01	1 0 0 1
) 2	2 0 0 1
) 4	4 0 0 1
) 10 ) 20	1 0 0 2 2 0 0 2
) 40	4 0 0 2
0,4 0,4	S 4 0 0   S   A   O   O   O   O   O   O   O   O   O
1 1	S 1 0 2
12	V 2 0 2
1 4	V 4 0 2
1 10	V 1 0 3
Customer	9 9 9
Customer - underpressure	$\mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x}$
Dutput	
120 mA / 2-wire	1
)10 V / 3-wire	3
ntrinsic safety Ex ia 420 mA / 2-wire	E
ntrinsic safety M1 Ex ia 420 mA / 2-wire (for mines) Customer	F 9
Accuracy	9
0,1 % - standard range	1
0,1 % - standard range including Calibration Certificate	P
0,1 % - customer range	
0,1 % - customer range including Calibration Certificate	н
0.2 % (P <sub>N</sub> < 0,1 bar)	В
0.2 % (P <sub>N</sub> < 0,1 bar) with Calibration Certificate	Q
Customer	9
Electrical connection	
Connector DIN 43650 (ISO 4400) (IP 65)	1 0 0
Connector Binder 723 5-pin (IP 67)	2 0 0
Cable gland PG7 / cable length specify (IP 67)	4 0 0
PVC cable / 1 m	
Connector Buccaneer (IP 68)	5 0 0 8 0 0
Field housing stainless steel, cable gland M 16 x 1,5 (IP 67) Field housing stainless steel, cable gland M 20 x 1,5 (IP 67)	8 8 0
Connector Binder 723 and 423 7-pin (IP 67) (for Interface RS 232)	A 0 0
Connector DIN 43650 (ISO 4400) - potting compound inside (IP 67)	E 0 0
Connector M12 x 1, 4-pin (IP 67)	м 0 0
Connector M12 x 1, 4-pin (IP 67) - metal	M 1 0
Cable outlet, cable with ventilation tube (IP 68) 1	T R 0
PVC cable / 1 m	
Customer	9 9 9
Mechanical connection	
G 1/2" DIN 3852	1 0 0
G 1/2" EN 837	2 0 0
G 1/4" DIN 3852 G 1/4" EN 837	3 0 0 4 0 0
M 20 x 1,5 DIN 3852	5 0 0
M 12 x 1 DIN 3852	6 0 0
M 10 x 1 DIN 3852	7 0 0
M 20 x 1,5 EN 837	8 0 0
G 1/2" DIN 3852 with flush sensor diaphragm <sup>2</sup>	F 0 0
M 20 x 1,5 DIN 3852 with flush sensor diaphragm	F 0 4
1/2" NPT	N 0 0
/4" NPT	N 4 0
Customer	N 0 0 N 4 0 9 9 9
Seals	













Without seals - welded (only with EN 837-1/-3) <sup>2, 3</sup>	2
EPDM	3
Viton (FKM) up to -40 °C	F
Customer	9
Special version	
Standard	1 1 1
Temperature compesation -30 80 °C (only with seals "F" or welded "2")	1 1 2
Interface RS 232 (only for connector Binder 723/423 7-pin) <sup>4</sup>	1 2 1
Customer	9 9 9
Software for set up on site	
Communication module ADAPT-6 (RS 232 / USB for DMP 331i, DMP 333i) + software	
Software for DMP 331i, 333i / update code 503498	
Accessories	
Adapt 1 with RS232 connecting cable for PC (CIS 510-RS232)	
Adapt 5 with USB connecting cable for PC (CIS 510-USB)	

0,-...without additional charge

On request...in accordance with the producer

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

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

1 code TR0 = PVC cable, cable with ventilation tube available in different types and lengths; cable not included in the price 2 only possible for DMP 331i and  $P_N \le 40$  bar

3 welded version only with pressure ports according to EN 837

4 Communication interface RS232 only possible with el. connection Binder serie 723/423 (7pin)

Software, Interface and cable for DMP 331i with option RS-232 have to be order separately

(Ordering code: CIS-G; Software appropriate for Windows® 95, 98, 2000, NT Version 4.0 or newer and XP)

 $\label{thm:windows} \mbox{Windows} \mbox{$\tt B$ is a registrated trademark of Microsoft Corporation}$ 







23.08.2024 DMP 333i	
DIMIT 3331	<u></u>
ressure	
auge <sup>1</sup>	1 3 0
bsolute	1 3 1
nput [bar]	
60	6 0 0 2
100 <sup>2</sup>	1 0 0 3
200 <sup>2</sup>	2 0 0 3
400 <sup>2</sup>	4 0 0 3
600 <sup>2</sup>	6 0 0 3
ustomer	9 9 9 9
Putput	
20 mA / 2-wire	1
ntrinsic safety Ex ia 420 mA /2-wire	E
ntrinsic safety M1 Ex ia 4 20 mA / 2-wire (for mines)	F
ustomer	9
ccuracy	
,1 % - standard range	1
,1 % - standard range including Calibration Certificate	P
1 % - customer range	
,1 % - customer range including Calibration Certificate	H
,2 % (P <sub>N</sub> < 0,1 bar)	В
sustomer	9
lectrical connection	9
connector DIN 43650 (ISO 4400) (IP 65)	1 0 0
connector Binder 723 5-pin (IP 67)	
Table gland PG7 / cable length specify (IP 67)	4 0 0
PVC cable / 1 m	
connector Buccaneer (IP 68)	5 0 0
ield housing stainless steel, cable gland M 16 x 1,5 (IP 67)	8 0 0
ield housing stainless steel, cable gland M 20 x 1,5 (IP 67)	8 8 0
onnector Binder 723 and 423 7-pin (IP 67) (for Interface RS 232)	A 0 0   0   1   1   1   1   1   1   1   1
connector DIN 43650 (ISO 4400) - potting compound inside (IP 67)	E 0 0
onnector M12 x 1, 4-pin (IP 67)	M 0 0
onnector M12 x 1, 4-pin (IP 67) - metal	M 1 0
able outlet, cable with ventilation tube (IP 68) <sup>3</sup>	T R 0
PVC cable / 1 m	
ustomer	9 9 9
lechanical connection	
5 1/2" DIN 3852	1 0 0
5 1/2" EN 837	2 0 0
5 1/4" DIN 3852	3 0 0
5 1/4" EN 837	4 0 0
1 20 x 1,5 DIN 3852	4 0 0 5 0 0
1 12 x 1 DIN 3852	6 0 0
1 10 x 1 DIN 3852	7 0 0
120 x 1,5 EN 837	8 0 0
1/2" DIN 3852 open pressure port	H 0 0
/2" NPT	N 0 0
/4" NPT	N 4 0
ustomer	N 4 0 9 9 9
eals	3 3 3
iton (FKM)	1
PDM (P <sub>N</sub> < 160 bar)	'
•	3
BR (standard)	5
rustomer	9
pecial version	
tandard	1   1   1
terface RS 232 (only for connector Binder 723/423 7-pin) <sup>4</sup>	1 2 1
ustomer	9 9 9
oftware for the intelligent pressure transmitters	
communication module ADAPT-6 (RS 232 / USB for DMP 331i, DMP 333i) + software	
oftware for DMP 331i, 333i / update	











#### Adapt 5 with USB connecting cable for PC (CIS 510-USB)

#### 0,-...without additional charge

On request...in accordance with the producer

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

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

- 1 measurement starts with ambient pressure
- 2 pressure ranges > 60 bar as DMP 333i 3 code TR0 = PVC cable, cable with ventilation tube available in different types and lengths; cable not included in the price
- 4 Communication interface RS232 only possible with el. connection Binder serie 723/423 (7pin)

Software, Interface and cable for DMP 333i with option RS-232 have to be order separately

(Ordering code: CIS-G; Software appropriate for Windows® 95, 98, 2000, NT Version 4.0 or newer and XP)







23.08.202	24	OId	ering code LMP 331i								
		LMP 331i	- П- П-	$\square$ - $\square$ - $\square$	- 🗌 -	П		-	]-□	-□	П
Pressure											
n bar			4 3 0								
n m H <sub>2</sub> O			4 3 1								
Input	[mH <sub>2</sub> O]	[bar]									
	0 4	0 0,4	4 0 0 0								
	0 10	0 1	1 0 0 1								Ш
	0 20	0 2	2 0 0 1								
	0 40	0 4	4 0 0 1								
	0 100	0 10	1 0 0 2								
	0 200	0 20	2002								
	0 400	0 40	4 0 0 2								
Customer			9 9 9 9								
Housing mate	rial										
Stainless steel	1.4404 (316 L	.)		1							
Diaphragm ma											
Stainless steel	1.4435 (316 L	-)		1							
Output											
4 20 mA / 2-				1							
0 10 V / 3-w				3							
Intrinsic safety	Ex ia 4 20	mA / 2-wire		Е							
Intrinsic safety	M1 Ex ia 4	20 mA / 2-wire (for mines)		F							
Customer				9			Ш				
Accuracy											
0,1 % - standaı	rd range				1						
0,1 % - standaı	rd range inclu	ding Calibration Certificate			Р		Ш				
0,1 % - custom	er range				- 1						
		ding Calibration Certificate			Н		Ш				
$0.2 \% (P_N < 0.1)$	1 bar)				В						
Customer					9						
Electrical con	nection										
Connector DIN	43650 (ISO 4	400) (IP 65)				1 0	0 0				
Connector ISO	4400 (IP 65)	+ silicone seals for Ex nA				1 (	5				
Connector Bind	der Serie 723	5-pin (IP 67)				2 (	0 0				
Cable gland Po	G7 / cable len	gth specify (IP 67)				4 (	0 0				
+ PVC cable /	1 m										
Connector Buc						5 (	0 0				
-		cable gland M 16 x 1,5 (IP 67)				8 (	0 0				
Field housing s	stainless steel	cable gland M 20 x 1,5 (IP 67)				8 8					Ш
		400) - potting compound inside (IP 67)				E	0 0				
		23 7-pin (IP 67) (for Interface RS 232)				A C					Ш
Connector M12							0 0				
Connector M12			,			M 1					
		lation tube (IP 68) <sup>1</sup>	1			TF	₹ 0				
+ PVC cable /	1 m						Ш				
Customer						9 9	9 9				
Mechanical co											
G 3/4" DIN 385	52							K 0			
Customer								9 9	9		
Seals											
Viton (FKM)									1		
EPDM									3		
Customer									9		
Special versio	n										
Standard										1 1	1 1
	32 (only for co	nnector Binder Serie 723/423 7-pin) <sup>2</sup>								1 9 9	2 1
Customer										9 9	9 9
Accessories											
Adapt 1 with R	S232 connect	ing cable for PC (CIS 510-RS232)									

0,-...without additional charge

On request...in accordance with the producer











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

1 code TR0 = PVC cable, cable with ventilation tube available in different types and lengths; cable not included in the price

2 not in combination with SIL

3 maximum length of PVC cable – 25 m, PUR, FEP, TPE – 40 m  $\,$ 

