



'INTELLIGENT' PRESSURE- AND LEVEL TRANSMITTERS For all industries



Series 2000

- "ALL STAINLESS" DESIGN
- EASY CALIBRATION WITHOUT TEST PRESSURE BY 3 PUSH BUTTONS
- ACCURACY 0,1%
- 4-20 mA AND HART® PROTOCOL
- 📕 ATEX 🐼 II 1 G and II 1 D
- WIDE RANGEABILITY
- LOCAL DISPLAY
- ADJUSTABLE DAMPING
- MORE THAN 40 DIFFERENT PROCESS CONNECTIONS
- OPTION: HART® PROTOCOL

COMMUNICATION PROTOCOL

Description

The Series 2000 is a complete range of 'intelligent' pressure and level transmitters with local display and adjustment by three pushbuttons. The pushbuttons are used to set Zero and Span. Test pressures are not required for calibration.

The display which can indicate a number of chosen engineering units is also used during programming to assist the easy operation. Process temperatures can be shown and damping times can be adjusted from 0 to 25 secs. Also a 4-20 mA Current Simulation can be performed.

The Series 2000 is **fully temperature compensated**. Over 40 different process connections are available including many flush diaphragm designs. Options include ATEX approval or HART[®] protocol.

HART[®] is a registered trademark of the HART Communication Foundation

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Series 2000

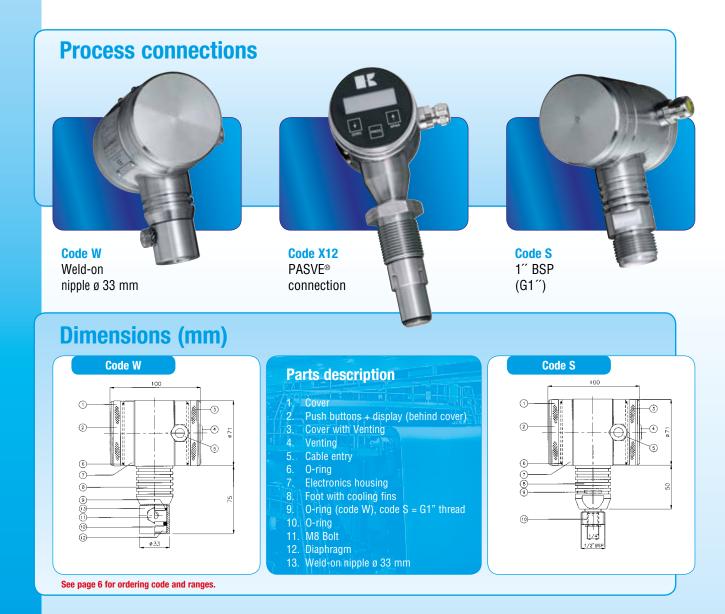
Description

The series 2000 pressure transmitter has been specially designed for measuring pressure in pulpand paper mills and similar industries where plugging is a problem. The transmitters are fully temperature compensated, and have very strong, flush mounted diaphragms. Zero and span can be adjusted without testpressure by 3 pushbuttons or by hand-held-terminal (HART®, option).



Specifications

Accuracy	: 0,1% of adjusted span
Measuring ranges	: 0 - 0,1 bar to 0 - 100 bar
Output signal	: 4 - 20 mA / 2-wire
	HART [®] protocol (option)
Adjustment	: by 3 pushbuttons or H.H.T.
Power supply	: 12 - 36 Vdc (Exi: 13 - 26,5 Vdc)
Protection grade	: IP66 (Option: IP68)
Process temperature	: -20°C to +80°C (Option: 100°C)
Ambient temperature	: -20°C to +70°C*
Temperature effect	: ±0,010% / K
Wetted parts	: AISI 316 (standard)
Electronic housing	: AISI 304
Process connections	: See below. Also available
	PMC, Vega, E+H, etc
	Specify code X



PASVE® is a registered trade name from Satron Instruments

Series 2000-SAN

Description

The 2000-SAN series are designed for all pressure and level measurements in the food and beverage, chemical and pharmaceutical industries. All hygienic process connections are available, most of them are according to the EHEDG, 3-A and FDA regulations. The transmitters are fully temperature compensated, and have very strong, flush mounted diaphragms. Zero and span can be adjusted

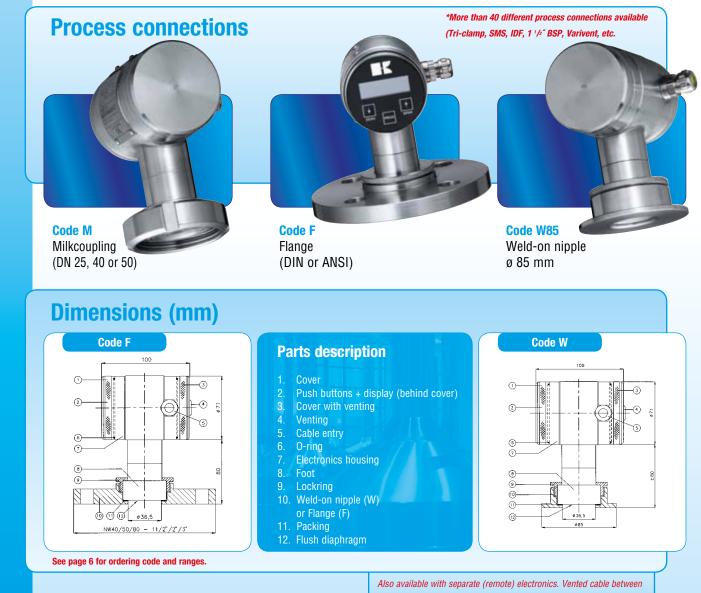


without testpressure, over wide ranges, by 3 pushbuttons, or hand-held terminal (HART[®], option).



Specifications

Accuracy	: 0,1% of adjusted span
Measuring ranges	: 0 - 0,04 bar to 0 - 100 bar
Output signal	: 4 - 20 mA / 2-wire
	HART [®] protocol (option)
Adjustment	: by 3 pushbuttons or H.H.T.
Power supply	: 12 - 36 Vdc (Exi: 13 - 26,5 Vdc)
External load	: 600 Ohm / 24V to 1200 Ohm / 36V
Protection grade	: IP66 (Option: IP68)
Process temperature	: -20°C to +100°C (145° / 45 min)
Ambient temperature	: -20°C to +70°C*
Temperature effect	: ±0,010% / K
Wetted parts	: AISI 316 (standard)
Option	: Hastelloy C, Tantalum or Goldplated
Electronic housing	: AISI 304
Process connections	: all industrial process connections
	available (more than 40*)



processconnection and SS electronics housing, type: 2000-SAN-Cable

Peramic 'S' Series CER 2000

Description

The Peramic 'S', series CER-2000, is a pressure transmitter based on a *ceramic measuring* sensor. The CER-2000 series is fully temperature compensated and is made for all pressure applications in clean liquids, gases and vapours. The ceramic measuring cell can withstand high overpressures, and is sealed by an o-ring (viton as standard, other materials on request). Zero and span can be



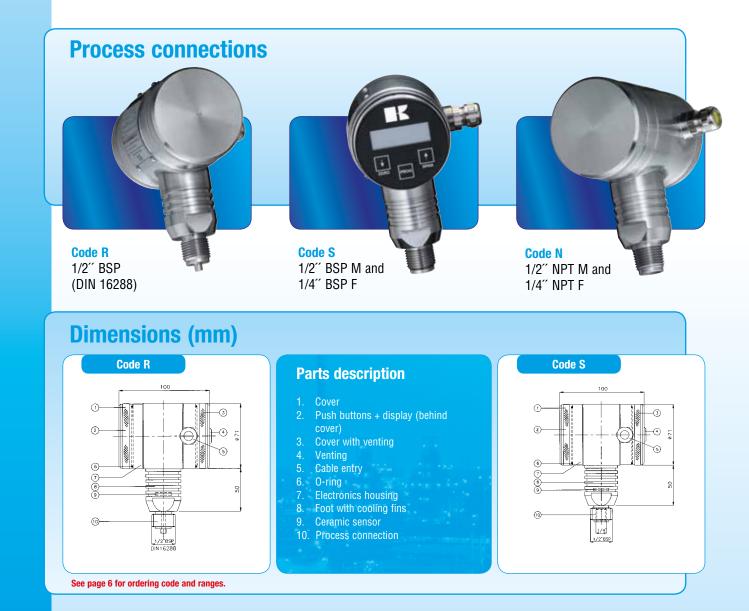
adjusted without testpressure over wide ranges, by 3 pushbuttons or by a hand-held terminal (HART®, option).

Specifications

Accuracy	: 0,1% of adj
Measuring ranges	: 0 - 2 bar to
Output signal	: 4 - 20 mA /
	HART [®] prot
Adjustment	: by 3 pushbı
Power supply	: 12 - 36 Vdc
Protection grade	: IP66 (Option
Process temperature	: -20°C to +9
Ambient temperature	: -20°C to +7
Temperature effect	: ±0,010% / k
Measuring sensor	: ceramic (Alg
Sensor sealing	: viton o-ring
	materials or
Other wetted parts	: AISI 316 (st

Other wetted parts Material housing

usted span 0 - 400 bar 2-wire tocol (option) uttons or H.H.T. (Exi: 13 - 26,5 Vdc) n: IP68) 0°C °0°C* 203) (standard) other n request standard) : AISI 304



General information series 2000

Calibration

As standard the Series 2000 is always equipped with a display and 3 pushbuttons for easy calibration. Both the measured and the calibrated value can be read locally. A full cali-bration can be completed using the three pushbuttons or with the optional handheld terminal (HART[®]), or with special software from Klay Instruments.

Zero and span can be calibrated very easy, without testpressure, also in vacuumranges. Linearisation can be made for various tankshapes like horizontal and conical tanks (P111). For all other adjustable points see table right.

The series 2000 will as standard be delivered with 2 closed covers, so the 3 pushbuttons and the standard display are behind the cover.

A cover with transparant plastic can be delivered as an option (I). In that case you can use the display as a local indicator.

Programmable Display with 3 pushbuttons (Standard)



Adjustable points

P101	Zero adjustment (4 mA)
P102	Span adjustment (20 mA)
P103	Cancel mounting position effect
P104	Adjustment pressure unit
	(see conversion table)
P105	4 - 20 mA *
	20 - 4 mA (reverse output)
P106	Damping adjustment (0 to 25 sec)
P107	Indication of processtemperature
	(read out on display)
P108	$0 = CELC \circ C *$
	1 = FAHR °F
P109	Read out on display:
	0 = current (4 - 20 mA) *
	1 = pressure unit
	2 = percent %
P110	Current simulation (4 - 20 mA)
P111	Linearisation
	(Various tankshapes)
* = factor	y setting

2000-SAN-HT

Certificates and options

Temperature Compensation

All our transmitters are fully temperature compensated. All Klay transmitters with flush diaphragm are equipped with the unique KLAY **Flush Diaphragm Technology**. (Detailed documentation available).

For **High Temperature Applications** where the process temperature is continuously above 100°C we manufacture special transmitters with cooling fins to reduce the temperature (Series 2000-SAN with HT option). With a compact 2000-SAN transmitter with option HT we can go up to 200°C and with seperation by a cable between process connection and electronics housing (Type: 2000-SAN-Cable-HT) we can go up to 300°C continuously! The HT option is only available on series 2000-SAN (except range 1 and 2)

 * Transparant cover (I) with option Ex: Min. amb. temp. -10°C



	Orderingcodes 2	2000, 2000-SAN and CE	R-2000) ser	ries			
SERIES 2000 (info o	n page 2)	SERIES 2000 -						
Ranges (bar)	Max. overpressure (bar)	Adjustable span range:	•	1	•	•	•	•
0 - 0,10,4	6,4	0 - 0,1 to 0 - 0,4 bar	1					
0 - 0,31,2	10,5	0 - 0,3 to 0 - 1,2 bar	2					
0 - 110	30	0 - 1 to 0 - 10 bar	3					
0 - 530	100	0 - 5 to 0 - 30 bar	4					
0 - 20100	200	0 - 20 to 0 - 100 bar	5					6
 G1" (1"BSP) threaded of PASVE® 1" connection Other process connection OPTIONS: 	3 mm. (flush diaphragm / pulp & paper connection (flush diaphragm)			W S X12 X				
		une available (avample 1 / 1 bar)			I	v	л	
	iy Relative or absolute) Compound rang By II 1 G Ex ia IIC T4 Ga and/or II 1 D B					V	Ex	ן ר
– HART® Protocol								Н
	available anymore on series 2000. Ask	for Series 4000						
SERIES 2000-SAN (i	nfo on page 3)	SERIES 2000 SAN -						
Ranges (bar)	Max. overpressure (bar)	Adjustable span range:	↓	•	•		▲	•
0 - 0,040,4	6,4	0 - 0.04 to 0 - 0.4 bar	1					
			2					
, ,	10,5	0 - 0,12 to 0 - 1,2 bar						
0 - 110	30	0 - 1 to 0 - 10 bar	3					
0 - 530	100	0 - 5 to 0 - 30 bar	4					
0 - 20100	200	0 - 20 to 0 - 100 bar	5		1	100		
PROCESS CONNECTIONS	t							
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 1¹/²^{''}, 2^{''} or 3['] Flange: DN 25, 40, 50 o Other connections: G1¹/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specification of the second of the se	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) rocess Temperature Ex ia IIIC T100°C Da IP6X		M W F X	-	V HT	Ex	Н
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 1¹/², 2" or 3" Flange: DN 25, 40, 50 o Other connections: G1¹/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature vers Intrinsically safe: ATEX HART® Protocol Profibus PA output, not 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp 2"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D E available anymore on series 2000. Ask	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000		W L F	1		Ex	H
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 1¹/²^{''}, 2^{''} or 3['] Flange: DN 25, 40, 50 o Other connections: G1¹/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specification of the second of the se	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp 2"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D E available anymore on series 2000. Ask	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) rocess Temperature Ex ia IIIC T100°C Da IP6X		W L F			Ex	H
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 11/2", 2" or 3" Flange: DN 25, 40, 50 o Other connections: G11/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature verssion Intrinsically safe: ATEX (A) HART® Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp 2"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D I available anymore on series 2000. Ask	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range:		W L F			Ex	
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 1¹/₂²⁷, 2²⁷ or 3² Flange: DN 25, 40, 50 o Other connections: G1¹/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature vers Intrinsically safe: ATEX4 HART[®] Protocol Profibus PA output, nott SERIES CER-2000 (in Ranges (bar) 0 - 210 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp 2"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr 2 II 1 G Ex ia IIC T4 Ga and/or II 1 D I available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50	xample: W85) ecify size)), SMS (X9), etc (specify X code) jes available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X Ex ia IIIC T100°C Da IP6X SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar	3	W L F			Ex	H
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 1¹/₂², 2^o or 3^o Flange: DN 25, 40, 50 o Other connections: G1¹/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature verss Intrinsically safe: ATEX HART[®] Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp e"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D f available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50 120	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar	3	W L F			Ex	H
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 11/2", 2" or 3" Flange: DN 25, 40, 50 o Other connections: G11/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature verssions Intrinsically safe: ATEX4 HART® Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 0 - 40200 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp 2"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D I available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50 120 350	xample: W85) ecify size)), SMS (X9), etc (specify X code) yes available (example -1 / +1 bar) rocess Temperature Ex ia IIIC T100°C Da IP6X Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar 0 - 40 to 0 - 200 bar	3 4 5	W L F				H
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 11/2", 2" or 3" Flange: DN 25, 40, 50 o Other connections: G11/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature verss Intrinsically safe: ATEX HART® Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 0 - 40200 0 - 150400 PROCESS CONNECTIONS 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp e"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr → II 1 G Ex ia IIC T4 Ga and/or II 1 D F available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50 120 350 600 c: meter (gauge) connection DIN 16288 (female)	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar	3	W L F				
- Milk coupling DIN 1185 - Hygienic weld-on nipple - Tri-clamp $1^{1/2}$, 2" or 3" - Flange: DN 25, 40, 50 o - Other connections: G11/ OPTIONS: - Transparant cover, disp - Vacuum Ranges (Specif - HIGH Temperature vers - Intrinsically safe: ATEX - HART® Protocol - Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 0 - 40200 0 - 150400 PROCESS CONNECTIONS - G $1^{1/2}$ " (male) and G $1^{1/4}$ " - $1^{1/2}$ " NPT (male) and $1^{1/4}$ "	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp e"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr → II 1 G Ex ia IIC T4 Ga and/or II 1 D F available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50 120 350 600 c: meter (gauge) connection DIN 16288 (female)	xample: W85) ecify size)), SMS (X9), etc (specify X code) yes available (example -1 / +1 bar) rocess Temperature Ex ia IIIC T100°C Da IP6X Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar 0 - 40 to 0 - 200 bar	3 4 5	W L F X				H
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 1¹/₂", 2" or 3" Flange: DN 25, 40, 50 o Other connections: G11/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specit) HIGH Temperature vers Intrinsically safe: ATEX(HART® Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 0 - 40200 0 - 150400 PROCESS CONNECTIONS G 1¹/₂" (1¹/₂" BSP) manoi G 1¹/₂" (male) and G 1¹/₄" OPTIONS: Transparant cover, disp Vacuum Ranges (Specit) 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp e"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D B available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50 120 350 600 3: meter (gauge) connection DIN 16288 (female) NPT (female) lay functions as local indicator fy Relative or absolute) Compound rang	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar 0 - 40 to 0 - 200 bar 0 - 400 to 0 - 200 bar 0 - 150 to 0 - 400 bar	3 4 5	W L F X				н
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 11/2", 2" or 3" Flange: DN 25, 40, 50 o Other connections: G11/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specif) HIGH Temperature verss Intrinsically safe: ATEX4 HART® Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 0 - 40200 0 - 150400 PROCESS CONNECTIONS G 1/2" (1/2" BSP) manoi G 1/2" (1/2" BSP) manoi G 1/2" (1/2" MSP) manoi Transparant cover, disp Vacuum Ranges (Specif) Transparant cover, disp Vacuum Ranges (Specif) Intrinsically safe: ATEX4 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp e"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr ion with cooling fins. Always spec	xample: W85) ecify size)), SMS (X9), etc (specify X code) ges available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar 0 - 40 to 0 - 200 bar 0 - 400 to 0 - 200 bar 0 - 150 to 0 - 400 bar	3 4 5	W L F X		HT	Ex	
 Milk coupling DIN 1185 Hygienic weld-on nipple Tri-clamp 11/2", 2" or 3" Flange: DN 25, 40, 50 o Other connections: G11/ OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) HIGH Temperature verss Intrinsically safe: ATEX4 HART® Protocol Profibus PA output, not SERIES CER-2000 (in Ranges (bar) 0 - 210 0 - 1040 0 - 40200 0 - 150400 PROCESS CONNECTIONS G 1/2" (1/2" BSP) manori G 1/2" (NPT (male) and 1/4" OPTIONS: Transparant cover, disp Vacuum Ranges (Specified) Intrinsically safe: ATEX4 HART® Protocol 	1, DN 25 (only ranges 3 and 4), DN 40, e diam 62 mm or 85 mm (specify, for ex " (specify size) r 80 (DIN) or 11/2", 2" or 3" (ANSI) (sp e"(X3), Varivent(X4), IDF(X5), DRD(X7) lay functions as local indicator fy Relative or absolute) Compound rang ion with cooling fins. Always specify Pr II 1 G Ex ia IIC T4 Ga and/or II 1 D B available anymore on series 2000. Ask nfo on page 4) Max. overpressure (bar) 50 120 350 600 3: meter (gauge) connection DIN 16288 (female) NPT (female) lay functions as local indicator fy Relative or absolute) Compound rang	xample: W85) ecify size)), SMS (X9), etc (specify X code) yes available (example -1 / +1 bar) ocess Temperature Ex ia IIIC T100°C Da IP6X for Series 4000 SERIES CER-2000 - Adjustable span range: 0 - 2 to 0 - 10 bar 0 - 10 to 0 - 40 bar 0 - 40 to 0 - 200 bar 0 - 150 to 0 - 400 bar 0 - 150 to 0 - 400 bar 9 - 150 to 0 - 400 bar 1 - 150 to 0 - 400 bar	3 4 5	W L F X		HT		

D/E/2000/10-16/05