




'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

HART
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



Stainless steel housing

Orderingcodes 2000, 2000-SAN and CER-2000 series

SERIES 2000 (info on page 2)				SERIES 2000 -									
Ranges (bar)	Max. overpressure (bar)	Adjustable span range:											
0 - 0,1 ...0,4	6,4	0 - 0,1	to 0 - 0,4 bar	1									
0 - 0,3 ...1,2	10,5	0 - 0,3	to 0 - 1,2 bar	2									
0 - 1 ...10	30	0 - 1	to 0 - 10 bar	3									
0 - 5 ...30	100	0 - 5	to 0 - 30 bar	4									
0 - 20 ...100	200	0 - 20	to 0 - 100 bar	5									
PROCESS CONNECTIONS: - Weld-on nipple diam. 33 mm. (flush diaphragm / pulp & paper) - G1" (1" BSP) threaded connection (flush diaphragm) - PASVE 1" connection (Valmet/Satron) - Other process connections: i.e. PMC(X2), Valcom, Vega, etc. (specify X code)								W					
OPTIONS: - Transparent cover, display functions as local indicator - Vacuum Ranges (Specify Relative or absolute) Compound ranges available (example -1 / +1 bar) - Intrinsically safe: ATEX II 1 G Ex ia IIC T4 Ga and/or II 1 D Ex ia IIIC T100°C Da IP6X - HART® Protocol - Profibus PA output, not available anymore on series 2000. Ask for Series 4000								S					
								X12					
								X..					
								I					
									V				
										Ex			
											H		

SERIES 2000-SAN (info on page 3)				SERIES 2000 SAN -									
Ranges (bar)	Max. overpressure (bar)	Adjustable span range:											
0 - 0,04 ...0,4	6,4	0 - 0,04	to 0 - 0,4 bar	1									
0 - 0,12 ...1,2	10,5	0 - 0,12	to 0 - 1,2 bar	2									
0 - 1 ...10	30	0 - 1	to 0 - 10 bar	3									
0 - 5 ...30	100	0 - 5	to 0 - 30 bar	4									
0 - 20 ...100	200	0 - 20	to 0 - 100 bar	5									
PROCESS CONNECTIONS: - Milk coupling DIN 11851, DN 25 (only ranges 3 and 4), DN 40, DN 50 (all ranges) - Hygienic weld-on nipple diam 62 mm or 85 mm (specify, for example: W85) - Tri-clamp 1 1/2", 2" or 3" (specify size) - Flange: DN 25, 40, 50 or 80 (DIN) or 1 1/2", 2" or 3" (ANSI) (specify size) - Other connections: G 1 1/2" (X3), Varivent(X4), IDF(X5), DRD(X7), SMS (X9), etc... (specify X code)								M..					
OPTIONS: - Transparent cover, display functions as local indicator - Vacuum Ranges (Specify Relative or absolute) Compound ranges available (example -1 / +1 bar) - HIGH Temperature version with cooling fins. Always specify Process Temperature - Intrinsically safe: ATEX II 1 G Ex ia IIC T4 Ga and/or II 1 D Ex ia IIIC T100°C Da IP6X - HART® Protocol - Profibus PA output, not available anymore on series 2000. Ask for Series 4000								W..					
								L..					
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											H		

SERIES CER-2000 (info on page 4)				SERIES CER-2000 -									
Ranges (bar)	Max. overpressure (bar)	Adjustable span range:											
0 - 2 ...10	50	0 - 2	to 0 - 10 bar	3									
0 - 10 ...40	120	0 - 10	to 0 - 40 bar	4									
0 - 40 ...200	350	0 - 40	to 0 - 200 bar	5									
0 - 150 ...400	600	0 - 150	to 0 - 400 bar	6									
PROCESS CONNECTIONS: - G 1/2" (1/2" BSP) manometer (gauge) connection DIN 16288 - G 1/2" (male) and G 1/4" (female) - 1/2" NPT (male) and 1/4" NPT (female)								R					
OPTIONS: - Transparent cover, display functions as local indicator - Vacuum Ranges (Specify Relative or absolute) Compound ranges available (example -1 / +1 bar) - Intrinsically safe: ATEX II 1 G Ex ia IIC T4 Ga and/or II 1 D Ex ia IIIC T100°C Da IP6X - HART® Protocol - Profibus PA output, not available anymore on series 2000. Ask for Series 4000								S					
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