



Nominal pressure

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

Output signals

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

Special characteristics

- ▶ turn-down 1:10
- two chamber aluminium die cast case or stainless field housing
- internal or flush welded diaphragm
- ► HART[®]-communication
- explosion protection intrinsic safety (ia)

Optional versions

- explosion protection flameproof equipment (d)
- SIL2 version according to IEC 61508 / IEC 61511
- integrated display and operating module
- special materials as Hastelloy[®] and Tantalum
- cooling element for media temperatures up to 300 °C

XMP i

Precision Pressure Transmitter for the Process Industry with HART[®]-Communication and SIL2 (optionally)

Stainless Steel Sensor

accuracy according to IEC 60770: 0.1 % FSO

The process pressure transmitter XMP i has been especially designed for the process industry as well as food and pharmaceutical industry (version stainless steel field housing) and measures vacuum, gauge and absolute pressure ranges of gases, steam, fluids up to 600 bar.

Different process connections such as threads and flanges with an internal or flush welded diaphragm are available and can be combined with a cooling element for media temperatures up to 300 °C. The transmitter is as a standard equipped with HART[®]-communication; the customer can choose between an aluminium die cast case or a stainless field housing.

Preferred areas of use are



Oil and gas industry / chemical and petrochemical industry

Food / pharmaceutical industry

Material and test certificates

- Inspection certificate 3.1 according to EN 10204
- Test report 2.2 according to EN 10204

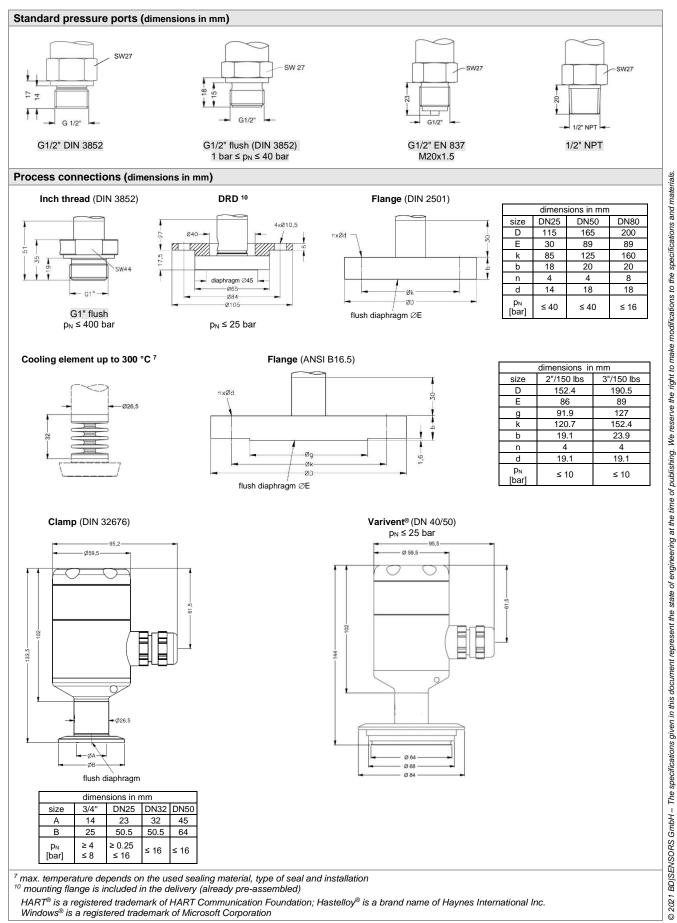


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Pressure ranges ¹												
Nominal pressure									1		1	1
gauge / abs. ²	[bar]	0.4	1	2	4	10	20	40	100	200	400	600
Overpressure	[bar]	2	5	10	20	40	80	105	210	600	1000	1000
Burst pressure ≥	[bar]	3	7.5	15	25	50	120	210	420		1250	1250
¹ on customer request we adju						tware to the			anges	1	1	1
² absolute pressure possible f	from 1 ba	r										
Vacuum ranges											<u> </u>	
Nominal pressure gauge	[bar]		0.4		11		-1 2		-1		-1	
Overpressure	[bar]		2		5		10		20		4	-
Burst pressure ≥	[bar]		3		7.5		15		2	D	5	0
Output signal / Supply				/								<u> </u>
2-wire: 4 20 mA		standard:			a) with H						/ _s = 12	
with explosion protection		options:						munication			/ _s = 13	
								nunicatior [™] -commu			/s = 12	
Current concurrention		may 25 r		lameproc	or equipm	ent (a) wi		-commu	lication		/ _s = 13	20 V _{DC}
Current consumption Performance		max. 25 r	IIA									
Accuracy ³		< 10.1.0/	500									
performance after turn-do		≤ ± 0.1 %	F30									
•	ΓD ≤ 1:5	no chang	e of accu	acv								
	TD = 1:5				s follows:	≤ 0.1 + 0).015 x (turn-down	- 5) %	FSO		
		e.g. turn-o					· · · · ·		-) / -			
Permissible load		$R_{max} = [(V$							® comn	nunication:	R _{min} = 25	0Ω
Influence effects		supply: 0			-					FSO / kΩ		
Long term stability		≤ ± 0.1 %			erence co	nditions						
Response time		100 msec					dampin	g	mea	suring rate	10/sec	
Adjustability		electronic	damping	: 0 10	0 sec	offset 0	90 %	FSO	turn	-down of sp	oan up to	1:10
³ accuracy according to IEC 6	60770 — lii	nit point adju	ustment (n	on-linearity	, hysteresi	s, repeatat	oility)				·	
Thermal errors / Permiss	sible ter											
Tolerance band 4, 5	-	≤ 0.2 % F	SO x turr	n-down (ii	n compen	sated ran	ge -20 .					
Permissible temperatures	6	medium:						without di	splay:	environme		
			25 °C for	fillina flui	d silicone	oil	-			storage:		. 80 °C
					d food cor		oil	with displ	ay:	environme		
Dennie ikle terrereteret		filling of fluids		-11				200.00		storage:		<u>. 80 °C</u>
Permissible temperature r for cooling element ⁷	mealum	filling fluid						300 °C 250 °C		low pressu low pressu		
⁴ an optional cooling element	oon influe			•						•	1610	150 0
⁵ for flange- and DRD-version	n: tolerand	e band offse	et≤±1.6 %	6 FSO / to	erance bar	nd span ≤ ₂	± 0.6 % F	so			(50 00	
⁶ max. temperature of the me (without cooling element).		iominal pres	sure yaug	⇒ ∪ Dal.		oo minutes	wiur a m	ал. С ПVII ОП	nentai le	inperature 0		
⁷ max. temperature depends of	on the us	ed sealing m	aterial, typ	e of seal a	nd installa	tion						
Electrical protection												
Short-circuit protection		permaner	nt									
Reverse polarity protectio	n											
Electromagnetic compatib	<u>///</u>	no damag		o no fun	ction							
Mechanical stability		no damaç emission	ge, but als			EN 61326						
			ge, but als			EN 61326						
Vibration		emission 5 g RMS	ge, but als and imm (25 200	unity acco	ording to E			EN 60068-	2-6			
Shock		emission	ge, but als and imm (25 200	unity acco	ording to E	ccording	to DIN E	EN 60068- EN 60068-				
Shock		emission 5 g RMS 100 g / 11	ge, but als and immu (25 200 msec	unity acco	ording to E	ccording	to DIN E					
Shock		emission 5 g RMS	ge, but als and immu (25 200 msec	unity acco	ording to E	ccording	to DIN E					
Shock Filling fluids Standard		emission 5 g RMS 100 g / 11	ge, but als and immu (25 200 msec il	unity acco	ording to E a a	ccording	to DIN E to DIN E					
Shock Filling fluids Standard Options		emission 5 g RMS 100 g / 11 silicone o food com	ge, but als and immu (25 200 I msec il patible oil	unity acco 00 Hz) accordir	ording to E a a g to 21CF	ccording ccording	to DIN E to DIN E 70		2-27	0)		
Shock Filling fluids Standard Options		emission 5 g RMS 100 g / 11 silicone o food com	il patible oil	unity acco 00 Hz) accordin 32; Categ	a a a g to 21CF gory Code	ccording ccording	to DIN E to DIN E 70	EN 60068-	2-27	0)		
Shock Filling fluids Standard Options for process connections Materials		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot	accordir accordir 32; Categ	ording to F a a g to 21CF gory Code equest	ccording ccording	to DIN E to DIN E 70	EN 60068-	2-27	0)		
Shock Filling fluids Standard Options for process connections Materials Pressure port		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44	accordir accordir 32; Categ hers on r	ording to F a a g to 21CF gory Code equest .)	Eccording Eccording R178.35 E H1; NSI	to DIN E to DIN E 70 F Regist	EN 60068-	2-27 : 14150	0)		
Shock Filling fluids Standard Options for process connections Materials Pressure port Housing		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless aluminium	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast	accordir accordir 32; Categ ners on r 35 (316L , powder	ording to F a a g to 21CF gory Code equest .)	Eccording Eccording R178.35 E H1; NSI	to DIN E to DIN E 70 F Regist	EN 60068-	2-27 : 14150	0)		
Shock Filling fluids Standard Options for process connections Materials Pressure port Housing		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast	accordir accordir 32; Categ ners on r 35 (316L , powder	ording to F a a g to 21CF gory Code equest .)	Eccording Eccording R178.35 E H1; NSI	to DIN E to DIN E 70 F Regist	EN 60068-	2-27 : 14150	0)		
Shock Filling fluids Standard Options for process connections Materials Pressure port Housing Cable gland		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless aluminium	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast kel plated	accordir accordir 32; Categ hers on ru 35 (316L , powder-	ording to F a a g to 21CF gory Code equest .)	Eccording Eccording R178.35 E H1; NSI	to DIN E to DIN E 70 F Regist	EN 60068-	2-27 : 14150	0)		
Shock Filling fluids Standard Options for process connections		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless aluminium brass, nic laminated thread: s	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast kel plateo I safety gl standard:	accordir 32; Categ hers on ru 35 (316L , powder- d ass FKM (t FFKM (t	ecommer recommer nin. perm	R178.35 ER178.35 ER178.35 Transform Transform	to DIN E to DIN E 70 F Regist s steel 1.	ration No. 4404 (316 temperatu temperatu	2-27 : 14150 GL) res ≤ 20 res < 20	00 °C)	 	ar);
Shock Filling fluids Standard Options for process connections Materials Pressure port Housing Cable gland Viewing glass		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless aluminium brass, nic laminated thread: s	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast kel plated safety gl standard: options:	accordir 32; Categhers on ru 335 (316L , powder- dass FKM (tr FFKM (tr rothers o welded v	ecommer recommer nin. perm n request	R178.35 R178.35 H1; NSI r stainless nded for n nded for n issible ter	to DIN E to DIN E 70 F Regist s steel 1. nedium 1 needium 1 nperatur	ration No. 4404 (316 temperatu temperatu re from -15	2-27 : 14150 6L) res ≤ 20 res < 20 5 °C, pc	00 °C) 50 °C;		ar);
Shock Filling fluids Standard Options for process connections Materials Pressure port Housing Cable gland Viewing glass		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless aluminium brass, nic laminated thread: s DRD and Clamp, V standard:	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast kel plated I safety gl standard: options: flange: arivent®:	accordir 32; Categ hers on r 335 (316L , powder d ass FKM (tr FFKM (tr r others o welded v none, no none	a a a a a a a a a a a a a a a a a a a	R178.35 R178.35 This H1; NSI r stainless r stainless r ded for n r pressure d in the so	to DIN E to DIN E 70 F Regist s steel 1. nedium f nedium f nedium f nedium f s ports E cope of c	ration No. .4404 (316 	2-27 : 14150 6L) res < 20 5 °C, pc h p _N bet	00 °C) 50 °C; ssible for p tween 1 an	d 40 bar	
Shock Filling fluids Standard Options for process connections Materials Pressure port Housing Cable gland Viewing glass Seals (media wetted)		emission 5 g RMS 100 g / 11 silicone o food com (Mobil SH Halocarbo stainless aluminium brass, nic laminated thread: s DRD and Clamp, V standard:	ge, but als and immu (25 200 msec il patible oil IC Cibus on and ot steel 1.44 n die cast kel plated I safety gl standard: options: flange: arivent®:	accordir 32; Categ hers on r 335 (316L , powder d ass FKM (tr FFKM (tr r others o welded v none, no none	a a a a a a a a a a a a a a a a a a a	R178.35 R178.35 This H1; NSI r stainless r stainless r ded for n r pressure d in the so	to DIN E to DIN E 70 F Regist s steel 1. nedium f nedium f nedium f nedium f s ports E cope of c	ration No. .4404 (316 	2-27 : 14150 6L) res < 20 5 °C, pc h p _N bet	00 °C) 60 °C; ssible for p	d 40 bar	

Explosion protection						
Approvals	intrinsic safety			BExU 05 ATEX1105 X)		
AX12-XMP i	stainless steel field		aluminium die ca	aluminium die cast case:		
AX2-XMP i (with SIL2)	zone 0: II 1G Ex i			zone 0/1: II 1/2G Ex ia IIB T4 Ga/Gb		
	zone 20: II 1D Ex ia			x ia IIIC T85 °C Da		
	safety technical max			maximum values:		
	$U_i = 28 \text{ V}, I_i = 98 \text{ mA}, P_i = 680 \text{ mW}, C_i = 0 \text{ nF},$ $U_i = 28 \text{ V}, I_i = 98 \text{ mA}, P_i = 680 \text{ mW}, C_i = 0 \text{ nF},$					
A	$L_i = 0 \ \mu H, \ C_{GND} = 27$		$L_i = 0 \mu H, C_{GND} =$	= 33 nF		
Approvals		ure with aluminium die c				
AX17-XMP i AX7-XMP i (with SIL2)	zone 1: II 2G Ex db	45 X (with SIL2: IBExU 1	2 ATEX1073 X)			
Permissible temperatures for		-20 60 °C with p _{atm} 0.8	har up to 1.1 har			
environment		intrinsic safety: -40 70		sure: -20 70 °C		
Connecting cables		signal line/shield also sig				
(by factory)		signal line/shield also sig				
Options	, induction of	elgital interentiela alee elg				
SIL2-version	according to IEC 61	508 / IEC 61511				
Display		ange 32.5 x 22.5 mm; 5-	digit 7-segment main di	splay, digit height 8 mm.		
		£9999; 8-digit 14-segmer				
		aph; accuracy $0.1\% \pm 1$ c				
Miscellaneous			-			
EHEDG certificate	EHEDG conformity	is only ensured in combi				
Type EL Class I			al from Combifit Interna			
	- Varivent [®] (P41):	EPDM-O	-ring which is FDA-listed	t		
Ingress protection	IP 67					
Installation position		ation in a vertical position		connection down;		
		position have to be spec				
Surface roughness		< 0.8 µm (media wetted	parts)			
		< 0.15 µm				
		< 0.8 µm				
Weight		ing on housing and mech	nanical connection)			
Operational life	100 million load cyc					
CE-conformity	EMC Directive: 2014	4/30/EU Pre	essure Equipment Direc	tive: 2014/68/EU (module A) 8		
ATEX Directive	2014/34/EU					
⁸ this directive is only valid for devices		le overpressure > 200 bar				
Wiring diagram / pin configurati	on	le overpressure > 200 bar				
	on	Electrical	aluminium case	stainless steel field housing		
Wiring diagram / pin configurati 2-wire-system (current) and HART®- co	on ommunication	1	aluminium case	stainless steel field housing		
Wiring diagram / pin configurati	on	Electrical				
Wiring diagram / pin configurati 2-wire-system (current) and HART [®] - configuration	on ommunication	Electrical connections	clamp section 2.5 mm ²	clamp section 1.5 mm ²		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co Image: supply + for the system of the s	on ommunication -o +	Electrical connections Supply +	clamp section 2.5 mm ² IN+	clamp section 1.5 mm ² IN+		
Wiring diagram / pin configurati 2-wire-system (current) and HART [®] - configuration	on ommunication -o + Vs	Electrical connections Supply + Supply –	clamp section 2.5 mm ²	clamp section 1.5 mm ²		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R I	on communication -o + Vs -o - terface	Electrical connections Supply +	clamp section 2.5 mm ² IN+	clamp section 1.5 mm ² IN+		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R I	on communication -o + Vs -o -	Electrical connections Supply + Supply – Test (HART)	clamp section 2.5 mm ² IN+ IN- Test	clamp section 1.5 mm ² IN+ IN- -		
Wiring diagram / pin configurati 2-wire-system (current) and HART [®] - co supply + A supply - R - Index of the supply - Index of	on pmmunication -o + Vs -o - terface HART -RS232-PC	Electrical connections Supply + Supply –	clamp section 2.5 mm ² IN+ IN-	clamp section 1.5 mm ² IN+		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R I	on pmmunication -o + Vs -o - terface HART -RS232-PC	Electrical connections Supply + Supply – Test (HART)	clamp section 2.5 mm ² IN+ IN- Test	clamp section 1.5 mm ² IN+ IN- -		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R Housing designs ⁹ (dimensions in	on pmmunication -o + Vs -o - terface HART -RS232-PC	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART [®] - co supply + A supply - R - Index of the supply - Index of	on pmmunication -o + Vs -o - terface HART -RS232-PC	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R Housing designs ⁹ (dimensions in	on pmmunication -o + Vs -o - terface HART -RS232-PC	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R Housing designs ⁹ (dimensions in	on pmmunication -o + Vs -o - terface HART RS232 - PC mm)	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R - In Housing designs ⁹ (dimensions in	on pmmunication -o + Vs -o - terface HART -RS232-PC	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R Housing designs ⁹ (dimensions in aluminium die cast case	on pmmunication -o + Vs -o - terface HART RS232 - PC mm)	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - R - In Housing designs ⁹ (dimensions in	on pmmunication -o + Vs -o - terface HART RS232 PC mm)	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Upply -	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Upply -	on pmmunication -o + Vs -o - terface -RS232 - PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test C	clamp section 1.5 mm ² IN+ IN- - E ousing		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Upply -	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A usupply - Usupply -	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Upply -	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E ousing		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Control of the system of the syste	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E ousing		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - C Housing designs ⁹ (dimensions in aluminium die cast case	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E Dusing		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Control of the system of the syste	on pmmunication -o + Vs -o - terface HART RS232 - PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	clamp section 1.5 mm ² IN+ IN- - E Dusing M2015 (for cable-9 (for cable-9 (
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A supply - C Housing designs ⁹ (dimensions in aluminium die cast case	on pmmunication -o + Vs -o - terface HART RS232 - PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test E stainless steel field ho	Clamp section 1.5 mm ² IN+ IN- - E Dusing M20x1.5 (for cable-0		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A upply - Control of the system of the syste	on pmmunication -o + Vs -o - terface HART RS232 - PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test Carter Station Steel field ho	clamp section 1.5 mm ² IN+ IN- -		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A usupply - U Housing designs ⁹ (dimensions in aluminium die cast case	on pmmunication -o + Vs -o - terface HART RS232 - PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test Carter Station Steel field ho	clamp section 1.5 mm ² IN+ IN- - E Dusing M20x15 (for cable-0 Suit of (mp)		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A usupply - U Housing designs ⁹ (dimensions in aluminium die cast case	on pmmunication -o + Vs -o - terface HART RS232 PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test Carter of the section of the	clamp section 1.5 mm ² IN+ IN- -		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co supply + A A A A A A A A A A A A A A A A A A	on pmmunication -o + Vs -o - terface HART RS232 PC mm)	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test Carter of the section of the	clamp section 1.5 mm ² IN+ IN- -		
Wiring diagram / pin configurati 2-wire-system (current) and HART® - co y y y y Housing designs ⁹ (dimensions in aluminium die cast case y y y y y y y y y y y y	on pmmunication -o + Vs -o - terface HART RS232 - PC mm) 	Electrical connections Supply + Supply – Test (HART) Shield	clamp section 2.5 mm ² IN+ IN- Test Carter of the section of the	clamp section 1.5 mm ² IN+ IN- - E Dusing M20x15 (for cable-0 Suit of tem)		



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XMP i_E_020721



	Ordering code XMP i
XMP i	
Pressure gauge absolute 1	5 1 1 5 1 2
Input [bar] A 00.4 1 01 02 04 010 020 040 020 040 020 040 020 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 040 0200 0400 0400 0200 0400 0200 0400 0401 -11	4 0
-1 10 customer Design	V 1 0 3 9 9 9 9 c consult
Aluminium die cast case with display without display Stainless steel field housing with display without display	
Output intrinsic safety (ia)	9 9 9 consult
4 20 mA / 2-wire with HART®-communication flameproof equipment (d) 4 20 mA / 2-wire with HART®-communication ² SIL2: SIL2: flameproof equipment (d) 4 20 mA / 2-wire with HART®-communication	I GS GS
with HART [®] -communication ² customer Accuracy	9 Consult
0.1 % FSO Electrical connection terminal clamp alu housing	1 A K 0
terminal clamp field housing customer <u>Mechanical connection</u> Standard pressure connections G1/2" DIN 3852 G1/2" with flush ³ welded diaphragm (DIN 3852)	8 8 0 consult
G1/2" EN 837 1/2" NPT Process connections (up to 40 bar)	2 0 0 N 0 0
G1" with flush welded diaphragm (DIN 3852) flange DN 25 / PN 40 (DIN 2501) flange DN 50 / PN 40 (DIN 2501) flange DN 80 / PN 16 (DIN 2501) flange DN 3" / 150 lbs (ANSI B16.5) ⁴ flange DN 3" / 150 lbs (ANSI B16.5) ⁵ Clamp DN 25 / 1" (DIN 32676) / 3A Clamp DN 32 / 1 1/2" (DIN 32676) / 3A Clamp DN 50 / 2" (DIN 32676) / 3A Clamp 3/4" (DIN 32676) / 3A Varivent [®] DN 40/50 / 3A	Z 3 1 F 2 0 F 2 0 F 2 3 F 1 4 F 3 2 F 3 3 D R D C 6 1 C 6 2 C 6 3 C 6 9 P 4 1
Stainless steel 1.4435 (316L) Hastelloy ^{® 6} Tantalum ^{6, 7}	1 H Consult
Seals Inch thread: FKM	
FFKM ⁸ EN 837: without (welded version) ⁹ DRD, flange: without Filling fluids	7 2 0
silicone oil food compatible oil ⁶ Halocarbon ⁶ customer	1 2 C 9 consult

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Tel.:

Fax:



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Ordering code XMP i

XMP i

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Special version

standard with cooling element up to 300 °C ⁶ special compensation -40 ... +60 °C ¹⁰

- A if setting range shall be different from nominal range please specify in your order
 ¹ absolute pressure possible from 1 bar
 ² only possible in combination with aluminium die cast case
 ³ only possible for p_N ≥ 1 bar up to 40 bar
 ⁴ 2'150 lbs and 3'/150 lbs possible for nominal pressure ranges p_N ≤ 10 bar
 ⁶ mounting flange is included in the delivery (already pre-assembled)
 ⁶ only possible with process connections
 ⁷ tandal disprargm possible with prominal pressure ranges from 1 bar
 ⁶ tangen and provide a statement of the statement o

- ¹⁰ tantal diphragm possible with nominal pressure ranges from 1 bar ⁸ min. permissible temperature from -15 °C, possible for nominal pressure ranges $p_N \le 100$ bar ⁹ possible with pressure ranges between 1 bar and 40 bar ¹⁰ option for version without display

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