


EXNT 8292



● คุณสมบัติ



- EXNT 8292 เป็น Pressure Transmitter ที่มีการรับรองมาตรฐาน
 -  Explosion Proof
 - II 1G Ex ia IIC T4/T6 Ga
 - II 1 D Ex ia IIIC IP6x T130° Da
 - I M1 Ex ia I Ma
 - II 1/2G Ex ia IIC T4/T6 Ga/Gb (with plastic-type connector)
 - เหมาะสำหรับพื้นที่ที่มีสารเคมี, สารไวไฟ, เช่น ก๊าซหรือไอระเหยต่างๆ
 - Range 0...0.4 bar, 0...2000 bar
 - ประสิทธิภาพสูงด้วย DMS-Technology
 - ATEX and IECEx
- การนำไปใช้งาน
- Shipbuilding
 - Ex Zones 0, 1, 2 (gas)
 - Ex Zones 20, 21, 22 (dust) and mining

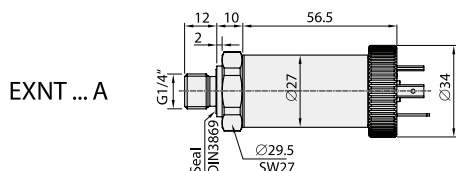
● ข้อมูลทางเทคนิค

Measuring principle	Thin film on steel	Media temperature	-40 °C ... +120°C
Measuring range	0 ... 0.4 to 0 ... 2000 bar	Ambient temperature	-40 °C ... +120°C
Output signal	4 ... 20 mA	Approval	GL, KRS ATEX / IECEx, according to the norm EN/IEC 60079-0/EN 60079-11/ EN 60079-26/ EN 50303
Accuracy @ 25°C typ.	± 0.5 % FS typ. ± 0.3 % FS typ.		

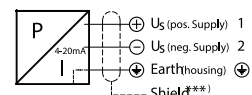
● การสั่งซื้อ [รุ่นมาตรฐาน]

Product No.	Type Code	Pressure range [bar]	Over pressure max. [bar]	Supply [VDC]	Accuracy @ 25°C typ. [%]
EXNT0.4A	8292 69 2617 05 0000 0000 19 58 92	0...0.4	1.2	10...30	±0.5
EXNT0.6A	8292 70 2617 05 0000 0000 19 58 92	0...0.6	1.5	10...30	±0.5
EXNT1.0A	8292 71 2617 05 0000 0000 19 58 92	0...1	2	10...30	±0.5
EXNT2.5A	8292 75 2517 05 0000 0000 19 58 92	0...2.5	5	10...30	±0.5
EXNT4.0A	8292 76 2517 05 0000 0000 19 58 92	0...4	8	10...30	±0.5
EXNT6.0A	8292 77 2517 05 0000 0000 19 58 92	0...6	12	10...30	±0.5
EXNT10.0A	8292 78 2517 05 0000 0000 19 58 92	0...10	20	10...30	±0.5
EXNT16.0A	8292 79 2517 05 0000 0000 19 58 92	0...16	32	10...30	±0.5
EXNT25.0A	8292 80 2517 05 0000 0000 19 58 92	0...25	50	10...30	±0.5
EXNT40.0A	8292 81 2517 05 0000 0000 19 58 92	0...40	80	10...30	±0.5
EXNT100.0A	8292 83 2517 05 0000 0000 19 58 92	0...100	200	10...30	±0.5
EXNT250.0A	8292 74 2517 05 0000 0000 19 58 92	0...250	500	10...30	±0.5

● ขนาดและมิติ



EXNT ... A (4 ... 20 mA)



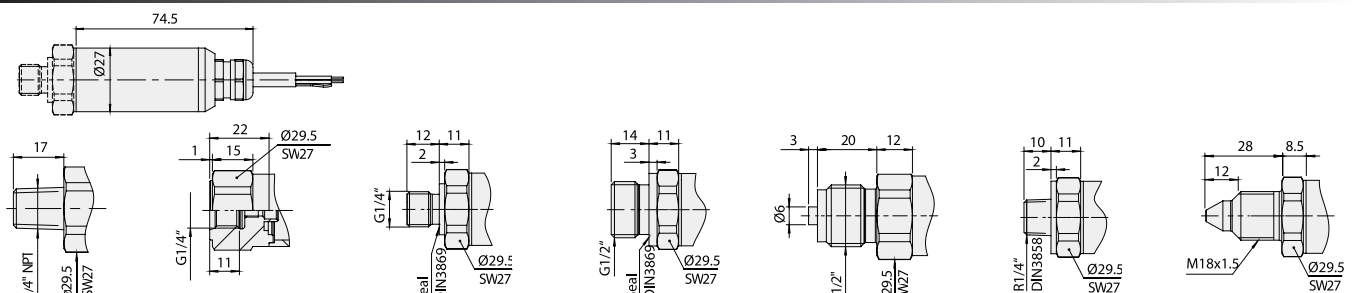
● การสั่งซื้อ

				8292 . XX				XX	XX	XX	XX	XX
Measuring range ¹⁾	Pressure measurement range [bar]	Over pressure [bar]	Burst pressure [bar]	Pressure measurement range [bar]	Over pressure [bar]	Burst pressure [bar]						
0 ... 0.4 ²⁾	1.2	25	69	0 ... 40	80	300	81					
0 ... 0.6 ²⁾	1.5	25	70	0 ... 60	120	500	82					
0 ... 1.0 ²⁾	2.0	25	71	0 ... 100	200	500	83					
0 ... 1.6	3.5	80	73	0 ... 160	320	1000	85					
0 ... 2.5	5	100	75	0 ... 250	500	1000	74					
0 ... 4	8	100	76	0 ... 400	800	1500	84					
0 ... 6	12	100	77	0 ... 600	1000	2000	86					
0 ... 10	20	200	78	0 ... 1000	1600	3000	88					
0 ... 16	32	200	79	0 ... 1600	3000	4000	89					
0 ... 25	50	300	80	0 ... 2000	3000	4000	90					
Sensor	Relative pressure, accuracy: 0.3% (> 1 bar)						23					
	Relative pressure, accuracy: 0.5% (> 1 bar)						25					
	Relative pressure, accuracy: 0.5% (≤ 1 bar)						26					
Pressure connection	G1/4" male ³⁾						17					
	G1/4" female ³⁾						10					
	G1/2" male ³⁾						21					
	G1/2" male (Manometer) ³⁾						11					
	R1/4" male ³⁾						19					
	1/4"NPT male ³⁾						30					
	M18x1.5 male (Conical seal: 58°) ⁴⁾						29					
Electrical connection	Male electrical plug EN 175301-803-A, plastic (only zones 1, 2 (gas) and 20, 21 (dust))						05					
	Male electrical plug M12x1, 5-pole, Metal						35					
	Male electrical plug MIL-C 26482, 6-pole, Metal ⁵⁾						02					
	Male electrical plug Binder 723, 5-pole, Metal						14					
	Cable with shield, material FDR 25 (Raychem), 4 x 0.5mm ² (Cable length see Accessories) - not ship approved						78					
Cable intrinsically safe with shield, material PVC, 2 x 0.75mm ² (-40...+80°C), (Cable length see Accessories) - not ship approved						80						
Output	Output	Load resistance	I (supply)	U (supply)								
	4 ... 20mA	(U _{supply} -10V) / 20mA		10 ... 30 VDC							19	
Accessories	Female electrical connector EN 175301-803-A (DIN43650-A), plastic (only zones 1, 2 (gas) and 20, 21 (dust))						58					
	Female electrical plug M12x1, 5-pole, plastic (only zones 1, 2 (gas) and 20, 21 (dust))						33					
	Female electrical plug M12x1, 5-pole, Metal						35					
	Female electrical connector MIL-C 26482, 6-pole, Metal						32					
	Female electrical connector Binder 723, 5-pole, Metal						37					
	Pressure peak damping element ø 0.4 mm						44					
	Pressure peak damping element ø 1.0 mm						40					
	Cable length 1.5 m ⁶⁾						1M					
Cable length 3.0 m ⁶⁾						3M						
Cable length 5.0 m ⁶⁾						5M						
Special electrical connection: Pin 1 + , Pin 2 - (Only for output 4...20mA and male electrical plug EN175301-803-A / DIN43650-A)						92						
Zener barrier 28V/93mA; R ≈300Ω: Ordering no F90138												
Damping elements and Snubber: See specification sheet H72258												

¹⁾ Extended overpressure as well as customized pressure ranges upon request ²⁾ Only with sensor 26 (0.5%)

³⁾ For ranges ≤ 600 bar ⁴⁾ For ranges > 600 bar ⁵⁾ For pressure ranges < 40 bar upon request ⁶⁾ Other cable lengths upon request


● ขนาดและมิติ



Ex-Product lines for pressure and temperature control

Trafag offers a wide range of EX-, ATEX- and IEC approved products for pressure and temperature monitoring. These products provide reliable functionality in various hazardous zones, with a guaranteed safety operation. In addition to both CE and EX-conformance, Trafag products are also extremely fail-safe.

CE – Designation and labelling

CE 1258  **II 2 GD**

Control No. of notified body for the supervision of the quality assurance system	I: Mining II: All other areas	Category (see below)	G = Gas D = Dust
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- Category 1: Can be used in zone 0 (gas) and 20 (dust)
 - Potentially explosive atmosphere: Permanent
 - Two independent failures – safety
- Category 2: Can be used in zone 1 (gas) and 21 (dust)
 - Potentially explosive atmosphere: Regularly
 - One failure – safety
- Category 3: Can be used in zone 2 (gas) and 22 (dust)
 - Potentially explosive atmosphere: Unlikely or for very short time

IEC/EN 60079-8 – Gases

Ex ia IIC T6 Ga

Type of protection	Equipment groups (for gases)	Temperature level	Equipment protection level
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- Type of protection: Intrinsically safe
- Equipment group (gases): IIC = Hydrogen, Acetylene
- Temperature level: Defines ignition temperature and permissible temperature of equipment surface
- Protection level: Referring to installation zone (Ga = Zone 0 = Category 1 in ATEX)

IEC/EN 60079-0 – Dust

Ex ia IIIC IP6X T130°C Da

Type of protection	Equipment groups (for dust)	Ingress protection	Temperature level	Equipment protection level
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- Type of protection: Intrinsically safe, powder filling, encapsulation, ...
- Equipment group (dust): IIIC = Conductive dust
- Temperature level: Defines maximum surface temperature
- Protection level: Referring to installation zone (Da = Zone 20 = Category 1 in ATEX)

EN 50303 – Mining

Ex ia I Ma

Type of protection	Equipment for mining	Equipment protection level
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- Category and Protection level:
 - Category M1/Protection level Ma: Fully functional and safe where explosive atmosphere is present. Requires means to cope with two independent failures
 - Category M2/Protection level Mb: These products are intended to be deenergised in the presence of an explosive atmosphere