

EPI 8287


คุณสมบัติ

- EPI 8287 เป็น Pressure Transmitter รุ่นราคาประหยัด
- ทนแรงดันได้สูงสุด 3 เท่า และ 5 เท่า (Bar)
- มีย่านวัดตั้งแต่ -1...+1.5 bar, 0...2.5 bar จนถึง 0...600 bar
- Output 4-20 mA และ 0-10 VDC (สำหรับรุ่นมาตรฐาน)
- การวัดมีทั้งแบบ Relative (Standard) และ Absolute (Option)
- ค่าความเที่ยงตรง $\pm 0.5\%$ FS Typ.

การนำไปใช้งาน • Machine tools • Hydraulics • Water Treatment

ข้อมูลทางเทคนิค

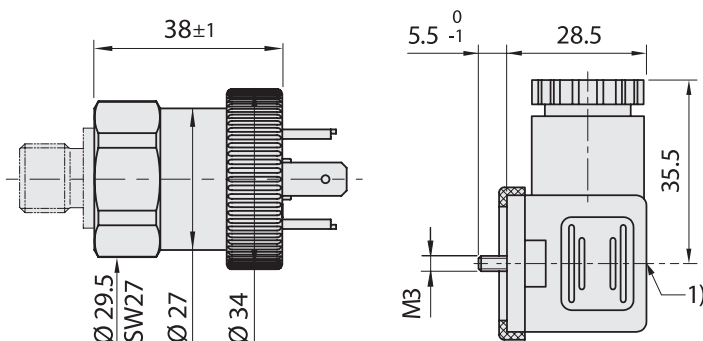
Measuring principle	Thick film on steel	Accuracy @ 25°C typ.	$\pm 0.5\%$ FS typ., $\pm 0.3\%$ FS typ.
Measuring range	0 ... 2.5 to 0 ... 600 bar 0 ... 30 to 0 ... 7500 psi	Media temperature	-40°C ... +125°C 400 bar/5000 psi: -10°C ... +125°C
Output signal	4 ... 20 mA, 0 ... 5 VDC, 1 ... 6 VDC, 0 ... 10 VDC, 0.5 ... 4.5 VDC ratiom.	Ambient temperature	-40°C ... +125°C

การสั่งซื้อ [รุ่นมาตรฐาน]

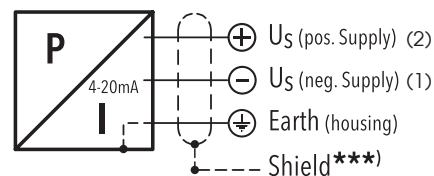
Pressure Range (Bar)	Type Code	Over Pressure Max. (Bar): 5 Fold	Signal Output	Supply
0.....2.5	8287.55.2517.05.0000.0000.19.44.58.61.L9.T2.01	12.5	4-20mA	9-32VDC
0.....4	8287.56.2517.05.0000.0000.19.44.58.61.L9.T2.01	20	4-20mA	9-32VDC
0.....6	8287.57.2517.05.0000.0000.19.44.58.61.L9.T2.01	30	4-20mA	9-32VDC
0.....10	8287.58.2517.05.0000.0000.19.44.58.61.L9.T2.01	50	4-20mA	9-32VDC
0.....16	8287.59.2517.05.0000.0000.19.44.58.61.L9.T2.01	80	4-20mA	9-32VDC
0.....25	8287.60.2517.05.0000.0000.19.44.58.61.L9.T2.01	125	4-20mA	9-32VDC
0.....40	8287.61.2517.05.0000.0000.19.44.58.61.L9.T2.01	200	4-20mA	9-32VDC
0.....60	8287.62.2517.05.0000.0000.19.44.58.61.L9.T2.01	300	4-20mA	9-32VDC
0.....100	8287.63.2517.05.0000.0000.19.44.58.61.L9.T2.01	500	4-20mA	9-32VDC
0.....160	8287.65.2517.05.0000.0000.19.44.58.61.L9.T2.01	800	4-20mA	9-32VDC
Pressure Range (Bar)	Type Code	Over Pressure Max. (Bar): 3 Fold	Signal Output	Supply
-1.....+1.5	8287.22.2517.05.0000.0000.19.44.58.61.L9.T2.01	4.5	4-20mA	9-32VDC
-1.....+30	8287.29.2517.05.0000.0000.19.44.58.61.L9.T2.01	90	4-20mA	9-32VDC
0.....2.5	8287.75.2517.05.0000.0000.19.44.58.61.L9.T2.01	7.5	4-20mA	9-32VDC
0.....4	8287.76.2517.05.0000.0000.19.44.58.61.L9.T2.01	12	4-20mA	9-32VDC
0.....6	8287.77.2517.05.0000.0000.19.44.58.61.L9.T2.01	18	4-20mA	9-32VDC
0.....10	8287.78.2517.05.0000.0000.19.44.58.61.L9.T2.01	30	4-20mA	9-32VDC
0.....16	8287.79.2517.05.0000.0000.19.44.58.61.L9.T2.01	48	4-20mA	9-32VDC
0.....25	8287.80.2517.05.0000.0000.19.44.58.61.L9.T2.01	75	4-20mA	9-32VDC
0.....40	8287.81.2517.05.0000.0000.19.44.58.61.L9.T2.01	120	4-20mA	9-32VDC
0.....60	8287.82.2517.05.0000.0000.19.44.58.61.L9.T2.01	180	4-20mA	9-32VDC
0.....100	8287.83.2517.05.0000.0000.19.44.58.61.L9.T2.01	300	4-20mA	9-32VDC
0.....160	8287.85.2517.05.0000.0000.19.44.58.61.L9.T2.01	480	4-20mA	9-32VDC
0.....250	8287.74.2517.05.0000.0000.19.44.58.61.L9.T2.01	750	4-20mA	9-32VDC
0.....400	8287.84.2517.05.0000.0000.19.44.58.61.L9.T2.01	1000	4-20mA	9-32VDC
0.....600	8287.86.2517.05.0000.0000.19.44.58.61.L9.T2.01	1500	4-20mA	9-32VDC

Pressure Range (Bar)	Type Code	Over Pressure Max. (Bar): 5 Fold	Signal Output	Supply
0.....2.5	8287.55.2517.05.0000.0000.17.44.58.61.L9.T2.01	12.5	0-10VDC	15-32VDC
0.....4	8287.56.2517.05.0000.0000.17.44.58.61.L9.T2.01	20	0-10VDC	15-32VDC
0.....6	8287.57.2517.05.0000.0000.17.44.58.61.L9.T2.01	30	0-10VDC	15-32VDC
0.....10	8287.58.2517.05.0000.0000.17.44.58.61.L9.T2.01	50	0-10VDC	15-32VDC
0.....16	8287.59.2517.05.0000.0000.17.44.58.61.L9.T2.01	80	0-10VDC	15-32VDC
0.....25	8287.60.2517.05.0000.0000.17.44.58.61.L9.T2.01	125	0-10VDC	15-32VDC
0.....40	8287.61.2517.05.0000.0000.17.44.58.61.L9.T2.01	200	0-10VDC	15-32VDC
0.....60	8287.62.2517.05.0000.0000.17.44.58.61.L9.T2.01	300	0-10VDC	15-32VDC
0.....100	8287.63.2517.05.0000.0000.17.44.58.61.L9.T2.01	500	0-10VDC	15-32VDC
0.....160	8287.65.2517.05.0000.0000.17.44.58.61.L9.T2.01	800	0-10VDC	15-32VDC
Pressure Range (Bar)	Type Code	Over Pressure Max. (Bar): 3 Fold	Signal Output	Supply
-1.....+1.5	8287.22.2517.05.0000.0000.17.44.58.61.L9.T2.01	4.5	0-10VDC	15-32VDC
-1.....+30	8287.29.2517.05.0000.0000.17.44.58.61.L9.T2.01	90	0-10VDC	15-32VDC
0.....2.5	8287.75.2517.05.0000.0000.17.44.58.61.L9.T2.01	7.5	0-10VDC	15-32VDC
0.....4	8287.76.2517.05.0000.0000.17.44.58.61.L9.T2.01	12	0-10VDC	15-32VDC
0.....6	8287.77.2517.05.0000.0000.17.44.58.61.L9.T2.01	18	0-10VDC	15-32VDC
0.....10	8287.78.2517.05.0000.0000.17.44.58.61.L9.T2.01	30	0-10VDC	15-32VDC
0.....16	8287.79.2517.05.0000.0000.17.44.58.61.L9.T2.01	48	0-10VDC	15-32VDC
0.....25	8287.80.2517.05.0000.0000.17.44.58.61.L9.T2.01	75	0-10VDC	15-32VDC
0.....40	8287.81.2517.05.0000.0000.17.44.58.61.L9.T2.01	120	0-10VDC	15-32VDC
0.....60	8287.82.2517.05.0000.0000.17.44.58.61.L9.T2.01	180	0-10VDC	15-32VDC
0.....100	8287.83.2517.05.0000.0000.17.44.58.61.L9.T2.01	300	0-10VDC	15-32VDC
0.....160	8287.85.2517.05.0000.0000.17.44.58.61.L9.T2.01	480	0-10VDC	15-32VDC
0.....250	8287.74.2517.05.0000.0000.17.44.58.61.L9.T2.01	750	0-10VDC	15-32VDC
0.....400	8287.84.2517.05.0000.0000.17.44.58.61.L9.T2.01	1000	0-10VDC	15-32VDC
0.....600	8287.86.2517.05.0000.0000.17.44.58.61.L9.T2.01	1500	0-10VDC	15-32VDC

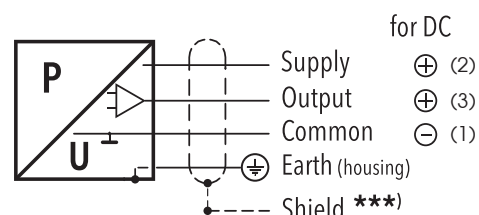
● ขนาดและมิติ



● วงจรการต่อใช้งาน



Output 4 ... 20 mA



Output 0 ... 10 V

● วิธีการสั่งซื้อ

			8287 .	XX	XX	XX	XX	XX	XX
Measuring range ¹⁾	Pressure measurement range [bar]	Over pressure [bar]							
	0 ... 2.5	7.5	75						
	0 ... 4	12	76						
	0 ... 6	18	77						
	0 ... 10	30	78						
	0 ... 16	48	79						
	0 ... 25	75	80						
	0 ... 40	120	81						
	0 ... 60	180	82						
	0 ... 100	300	83						
	0 ... 160	480	85						
	0 ... 250	750	74						
	0 ... 400	1000	84						
	0 ... 600	1500	86						
	Option 5P:	Fivefold overpressure							
	0 ... 2.5	12.5	55						
	0 ... 4	20	56						
	0 ... 6	30	57						
	0 ... 10	50	58						
	0 ... 16	80	59						
	0 ... 25	125	60						
	0 ... 40	200	61						
	0 ... 60	300	62						
	0 ... 100	500	63						
	0 ... 160	800	65						
Sensor	Relative pressure, accuracy: 0.5 %; Material pressure connection and housing: 1.4542 (AISI630)		25						
	Relative pressure, accuracy: 0.5 %; Material pressure connection and housing: 1.4404 (AISI316L) ^{2) 3) 5)}		35						
	Relative pressure, accuracy: 0.3 %; Material pressure connection and housing: 1.4542 (AISI630)		23						
	Relative pressure, accuracy: 0.3 %; Material pressure connection and housing: 1.4404 (AISI316L) ^{2) 3) 5)}		33						
Pressure connection	G1/4" female ²⁾						10		
	G1/4" male (Seal)						17		
	R1/4" male, DIN3858 ²⁾						19		
	G1/2" male (Manometer) ²⁾						11		
	1/4"NPT male						30		
	1/2"NPT male ²⁾						51		
	M14x1.5 male DIN6149-2 ²⁾						31		
	7/16"-20UNF male, DIN3866 ^{2) 6)}						18		
	7/16"-20UNF male SAE 4 (J1926) ^{2) 7)}						42		
	7/16"-20UNF female SAEJ512 with valve opener ⁶⁾						24		
Electrical connection	Male electrical plug EN175301-803A, Mat. PA						05		
	Male electrical plug M 12x1, 5-pole, Mat. PBT						35		
	Male electrical plug Packard Metri Pack, Mat. PBT ⁴⁾						51		
	Male electrical plug industrial standard, contact distance 9.4 mm, Mat. PBT						01		
	Cable ØR IP68 (Screwed cable gland PA 6-3), -20°C ... +70°C ^{8) 9)}						24		
	Cable PVC, IP68 (Screwed cable gland PA 6-3), -5°C ... +60°C ^{8) 9) 10)}						22		
	Cable Raychem, IP68 (Screwed cable gland PA 6-3), -20°C ... +100°C ^{8) 9) 10)}						08		

● วิธีการสั่งซื้อ [ต่อ]

8287 . XX XX XX XX XX XX					
Output signal	Signal output	Load resistance	I (supply)	U (supply)	
	4 ... 20 mA	(U _{supply} -9 V) / 20 mA		9 ... 32 VDC	19
	0 ... 5 VDC	> 2.5 kΩ	< 10 mA	9 ... 32 VDC	14
	1 ... 6 VDC	> 5.0 kΩ	< 10 mA	9 ... 32 VDC	16
	0 ... 10 VDC	> 5.0 kΩ	< 10 mA	15 ... 32 VDC	17
	0.5 ... 4.5 VDC ratiometric	> 5.0 kΩ	< 10 mA	5 (4.75 ... 5.25) VDC	23
Accessories Seal FPM , -18°C ... +125°C ³⁾					61
Seal EPDM , -40°C ... +125°C ³⁾					63
Seal NBR , -25°C ... +100°C ³⁾					83
Pressure peak damping element ø 1.0 mm (for pressure connections 17, 19, 30, 31, 51)					40
Pressure peak damping element ø 0.4 mm (for pressure connections 17, 19, 30, 31, 51)					44
Female electrical connector EN 175301-803-A (DIN43650-A)					58
Female electrical plug M12x1, 5-pole					33
Female electrical connector industrial standard					34
Special electrical connection: Pin 1 + , Pin 2 - (only for output signal 4 ... 20 mA and male electrical plug EN 175301-803-A/DIN43650-A)					92
Special electrical connection: Pin 1 Out , Pin 2 - , Pin 3 + (only for output 14, 16, 17 and male electrical plug EN175301-803-A/DIN43650-A)					98
Special electrical connection: Pin 1 + , Pin 2 - , Pin 3 Out (only for output 14, 16, 17 and male electrical plug EN175301-803-A/DIN43650-A)					97
Special electrical connection: Pin 1 + , Pin 3 - (only for output 4 ... 20 mA and male electrical plug Packard Metri Pack 3-poles)					E4
Special electrical connection: Pin 1 + , Pin 2 out Pin 3 - (only for output signals 14, 16, 17 and male electrical plug Packard Metri Pack 3-poles)					99
Housing nut for electrical connection EN175301-803-A (DIN43650-A) secured with Loctite (max. 85°C)					L9
Cable length 1.5 m					1M
Cable length 3.0 m					3M
Cable length 5.0 m					5M

¹⁾ Customized pressure ranges upon request²⁾ Upon request³⁾ Only with pressure connection 17 (G1/4")⁴⁾ Pressure ranges > 16 bar (Pressure ranges ≤ 16 bar upon request)⁵⁾ Only for pressure ranges ≥ 10 bar⁶⁾ Max. allowable pressure range 60 bar at 120 bar overpressure⁷⁾ According to norm J1926, max. 35 MPa⁸⁾ Cable length see accessories (max. length 50 m, in 5-meter sections)⁹⁾ IP68, max. 3 m, Media +10°C ... +35°C¹⁰⁾ Cable length max. 3 m, for pressure ranges ≤ 16 bar