



P3400

Compact precision pressure transducers

- Pressure from 0...1 to 400bar
- Digital compensation
- Current or voltage output options
- Polarity Protection
- Compact design
- A variety of mechanical and electrical connection

Application

Hydraulics and pneumatics

Mobile Hydraulics

Agricultural machinery

Machine construction

Special vehicle

Aerospace application

Petrochemical Industry

Plastic machinery

Input		
Measuring range	0...1 to 400 bar	
Safe overload	1.5xFS	
Burst pressure	2xFS	
Output		
Accuracy(@ 25°C)	≤ ±1%FS	
Non-linearity BFSL	≤ ±0.5%FS	
Hysteresis and repeatability	≤ ±0.2%FS	
Stability	≤ ±1%FS/year	
Environmental conditions		
Medium temperature range	-25 ... +105°C	
Ambient temperature range	-25 ... +80°C	
Storage temperature range	-40 ... +80°C	
Thermal shift	≤ ±0.5%FS/10K	
Other specifications		
Response time	≤ 4ms (10%...90%FS)	
Process connection	见“订货信息” see "Ordering information"	
Electrical connections	见“订货信息” see "Ordering information"	
IP Grade	IP65...IP67	
Weight	~100g	
Electrical specifications		
Output signal	Supply voltage(U _b)	Load (RL)
4...20mA,2-wire	8...30VDC	RL ≤ (U _b -10V)/0.02A
0...5V,3-wire	8...30VDC	RL ≥ 5KΩ
1...5V,3-wire	8...30VDC	RL ≥ 5KΩ
0...10V,3-wire	14...30VDC	RL ≥ 10KΩ
0.5...4.5V,3-wire	8...30VDC	RL ≥ 4.5KΩ
0.5...4.5V,3-wire,ratiometric	5VDC ±10%	RL ≥ 4.5KΩ

Ordering information

P3400 - XXXBX-XXX - X-X-X/...

量程 Range B (bar)
G=表压 gauge
 1X0BG = 0...1
 1X6BG = 0...1.6
 2X5BG = 0...2.5
 4X0BG = 0...4
 6X0BG = 0...6
 010BG = 0...10
 016BG = 0...16
 025BG = 0...25
 040BG = 0...40
 060BG = 0...60
 100BG = 0...100
 160BG = 0...160
 250BG = 0...250
 400BG = 0...400
 Xxx BG = on request
C=复合压 compound
 1X0BC = -1...0
 1X6BC = -1...0.6
 2X5BC = -1...1.5
 4X0BC = -1...3
 6X0BC = -1...5
 010BC = -1...9
 016BC = -1...15
 025BC = -1...24
 040BC = -1...39
 Xxx BC = on request

过程 Process connection
 G14 = G1/4, DIN3852-E
 Z14 = 1/4-18NPT
 R14 = R1/4
 B14 = G1/4B, EN837
 B18 = G1/8B, EN837
 B38 = G3/8B, EN837
 Z18 = 1/8-27NPT
 F14 = G1/4, Female
 N14 = 1/4NPT, Female
 U07 = 7/16-20UNF
 M14 = M14X1.5
 M12 = M12X1.5
 XXX = On request

附加项 Additional
 Z = 阻尼装置 Damping device
 E = 数显装置 Display device
 X = 线束 wire harness
 (null=none; 1=1m...)

电气连接 Connector
 1 = DIN43650-A
 2 = DIN43650-C
 3 = Cable outlet
 7 = Metri-pack 150
 9 = M12X1,4-pin
 X = On request

输出信号 Output signal
 1 = 4-20mA, 8...30V DC
 2 = 0-5V, 8...30VDC
 3 = 0-10V, 14...30VDC
 4 = 0.5-4.5V, 5VDC, ratiometric
 5 = 1-5V, 8...30VDC
 8 = 0.5-4.5V, 8...30V
 X = On request

Electrical connection

■ DIN43650-A or C
 (code:1 or 2)



system	pin1	pin2	pin3
2-wire	E+	E-	-
3-wire	E+	GND	S+

■ cable outlet
 (code:3)

system	red	black	green
2-wire	E+	E-	-
3-wire	E+	GND	S+

■ Metri-pack 150
 (code:7)



system	B	A	C
2-wire	E+	E-	-
3-wire	E+	GND	S+

■ M12x1,4-pin
 (code:9)



system	1	3	4
2-wire	E+	E-	-
3-wire	E+	GND	S+

Dimension (mm)

Connector	DIN43650-A Code: 1 IP65	DIN43650-C Code: 2 IP65	Cable outlet Code: 3 IP67	M12X1,4-pin Code: 9 IP67	Metri-pack 150 Code: 7 IP65
Housing					
Process connection	DIN3852-E Code G L G14 G1/4-A 14 M14 M14X1.5 14 M12 M12X1.5 14	EN837 Code G L Z14 1/4 NPT 14 Z18 1/4 NPT 11 R14 R1/4 13	EN837 Code G L B14 G1/4-B 13 B18 G1/8-B 10 B38 G3/8-B 16	Female Code G L F14 G1/4-B 15 N14 1/4-NPT 14	Code G L U07 7/16-20UNF 15