

Compact Size Pressure Transducer

Performance

Pressure range(FS)3.5~2000 bar
 Accuracy(BFSL) $\pm 0.5\%$
 Error $\pm 1.5\%$ FS TEB
 Zero offset $\pm 1.0\%$ FS
 Stability(typical) $\pm 0.25\%$ FS/year
 Load resistance >10Kohm

Environmental

Compensated temperature -25 to 85°C
 Operate temperature -40 to 125°C
 Storage temperature -40 to 125°C
 Burst pressure 5 * FS
 Proof pressure 2 * FS
 Wetted parts 17-4PH SS
 Output M12 connector
 Vibration limit 20 g@10~2000Hz
 Shock limit IEC 60068-2-27, 50 g, 11 ms pulse
 Pressure cycles 100 million FS cycles
 Sealing IP66 (IEC60529)

EMC Compliance:

EN 50081-2

EN 50082-2(10V/M, 26~1000MHz)

EN 61326

Electrical

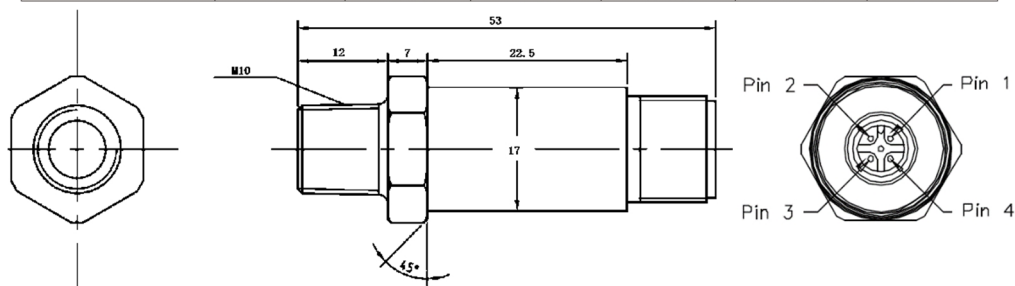
Output type	B (Ratiometric)	C (4~20mA)	D (1.0~5.0VDC)	E (0.5~4.5VDC)	F (0~10VDC)	G (0~5VDC)
Supply Voltage	4.75 ~ 5.25 VDC	9 ~ 32 VDC	8 ~ 32 VDC	8 ~ 32 VDC	12 ~ 32 VDC	8 ~ 32 VDC
Output	0.5 ~ 4.5 VDC	4 ~ 20 mA	1.0 ~ 5.0 VDC	0.5 ~ 4.5 VDC	0 ~ 10 VDC	0 ~ 5 VDC
Supply Current	< 3 mA	< 30 mA	< 3 mA	< 3 mA	< 12 mA	< 3 mA
Zero Output	0.5 VDC	4 mA	1.0 VDC	0.5 VDC	0 VDC	0 VDC
Full Scale Output	4.5 VDC	20 mA	5.0 VDC	4.5 VDC	10 VDC	5 VDC

Features

- Gauge Pressures
- Stand high vibration
- 1.5 % Total Error Band
- M12 connector output
- ASIC Temperature Compensated

Application

- Process Automation & Control
- Test and Measurement
- Energy Management
- Heavy industry
- Plastic and Alloy injection machines



Type	B	C	D	E	F	G
Pin1	Supply+	Supply+	Supply+	Supply+	Supply+	Supply+
Pin2	Supply-	Output	Supply-	Supply-	Supply-	Supply-
Pin3	Output	NC	Output	Output	Output	Output
Pin4	NC	NC	NC	NC	NC	NC

Ordering Information

P1514E-10-E

Range(3.5/10/100/2000 in bar)

Output type:
E=0.5~4.5V
X=Special

Port type:
E= DIN3852-A-M10*1.0
X=Special