

3250 Compact Heavy duty Pressure Transducer

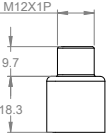
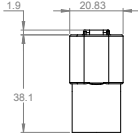
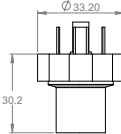



- ▶ Pressure range 0 ~ 50 bar to 0 ~ 600 bar
- ▶ Excellent electromagnetic compatibility
- ▶ High proof & burst pressure
- ▶ Broad choice of outputs, connections
- ▶ CE compliant

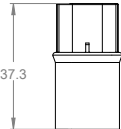
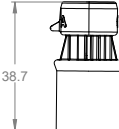




The 3250 series pressure sensors are a new – generation of pressure transducer, characterized by high performance, high reliability, and high stability. Their diverse electrical outputs, pressure ports, and electrical connection can meet the needs of most OEM users. Meanwhile, it has excellent pressure shock – resistance characteristics and can operate stably in an environment with drastic pressure changes. In addition, this product has outstanding EMC performance, which can effectively resist electromagnetic interference and ensure the accuracy and reliability of measurements.

Pressure Range	Minimum 0–50bar, Maximum 0–600bar
Pressure Datum	Gauge
Proof Pressure	2 × FS
Burst Pressure	5 × FS
Power Supply	9 – 30VDC (Current output mode) * Maximum resistor RL 800Ω 12 – 30VDC (Voltage output mode) 5VDC ± 10% (Ratiometric voltage mode)
Current Output	4 – 20mA
Voltage Output	0 – 10V 0.5 – 4.5V Ratiometric (10%–90% of the supply voltage)
Accuracy	± 0.25%FS
Zero Tolerance	± 0.5%FS
Span Tolerance	± 0.5%FS
Operating Temperatures	–40° C ~ 125° C
Compensated Temperatures	–20° C ~ 85° C
Fatigue Life	Design for 10,000,000 cycles
Pressure Ports	See under “How to Order” , last page
Electrical Connections	M12*1P、Deutsch DT04–4P、Sumitomo、Large DIN、Packard MetriPack
Reverse Protection	Yes
DC Insulation	500VDC 20MΩ *applies to 3250G
Shock & Vibration	50g EN 60068–2–27, 20g (10...2000 Hz) DIN EN 60068–2–6
Enclosure	IP67、IP65 (Large DIN)
Materials	Wetted parts : 17–4 PH SS Housing : 304 SS
Approvals	CE

Electrical Connections

	M12	Deutsch DT04-4P	DIN43650A			
						
						
	Code E		Code 8		Code G	
Pin#	Voltage Mode	Current Mode	Voltage Mode	Current Mode	Voltage Mode	Current Mode
1	V _{supply}	Supply	Ground	Return	V _{supply}	Supply
2	V _{out}	—	V _{supply}	Supply	Ground	Return
3	Ground	Return	—	—	V _{out}	—
4	—	—	V _{out}	—	—	—

				
				
	代码 S	代码 9		
Pin#	Voltage Mode	Current Mode	Voltage Mode	Current Mode
A	V _{supply}	—	Ground	Return
B	Ground	—	V _{supply}	Supply
C	V _{out}	—	V _{out}	—
—	—	—	—	—

Pressure Ports

Code	01	05	5P	2L
Fitting port	G1/4" A BS 5380	G1/4" A DIN 3852:2 -Type E	G1/4" A JIS B2351	G3/8" A JIS B2351
Torque	30-35 NM	30-35 NM	30-35 NM	30-35 NM

How to order

Use the **bold characters** from the chart below to construct a product code

Series ¹	3250T	B	0500S	05	E	R	00	Standby Code 00
	3250T – Enhanced EMC							Restrictor R – Restrictor 0 – No Restrictor
Output ²		B	S					Electrical Connection E – M12*1P 8 – Deutsch DT04-4P G – DIN43650A S – Sumitomo 9 – Packard Metripack
		B – 4-20mA	S – 0-10V					Pressure Port ² 01 – G1/4A BS5380 External 05 – G1/4A DIN 3852:2 External 5P – G1/4A JIS B2351 External 2L – G3/8A JIS B2351 External
Pressure Range			0500S					
			0050S – 0-50bar					
			0160S – 0-160bar					
			0250S – 0-250bar					
			0400S – 0-400bar					
			0500S – 0-500bar					
			0600S – 0-600bar					

* Any other pressure ranges 50bar above and 600bar
Please consult factory*

Notes:

- The 3250T or 3250G version to be selected according to specific application, for details, please consult the local Gems sales or application engineer.
- If other pressure ports or outputs is required, please consult the local sales.
- It must be used in strict accordance with the national electrical code and within the nominal specifications of the product. Physical damage to the product may render it unusable.