



DW8011C Economic Pressure Transmitter

The economic pressure transmitter offers exceptional cost-effectiveness while delivering outstanding performance, matching most applications in terms of accuracy and durability. Its high reliability and long service life ensure low maintenance and replacement costs. With a compact structure, small size, and lightweight design, it is easy to install and maintain. Suitable for application scenarios such as machinery manufacturing, measurement and control technology, hydraulic and pneumatic fields, pumps and compressors, and shipbuilding.

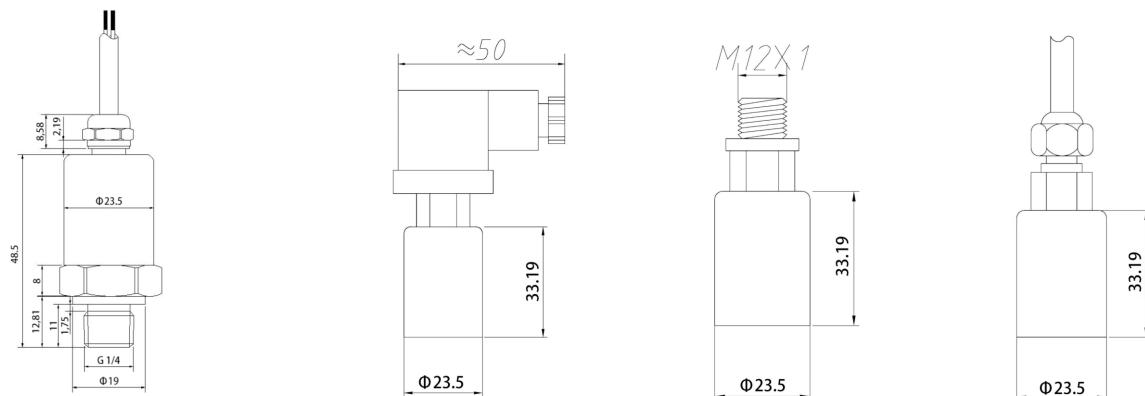
Technical Parameters

Parameter	Details
Measuring Medium	Gases, Vapors, Liquids
Output Signal	Current: 4~20mA Voltage: 0~5V/0~10V
Accuracy	±0.1% F.S.
Measurement Range	0~100KPa-40MPa
Power Supply	12~30VDC, 24VDC recommended.
Maximum Overload	2~10 times the standard range
Operating Temperature	-20~80°C
Long-term Stability	±0.2% F.S./year
Protection Class	IP65

Product Features

- Suitable for measuring absolute pressure and gauge pressure of liquids, gases, or in the process industry.
- Adopts a silicon piezoresistive sensor as the pressure-sensitive chip, combined with a dedicated digital integrated circuit to convert the small signal output by the sensor into a standard signal output.
- Wide measuring range, stable performance, and diverse output signal types.
- Rugged and compact structure, small size, lightweight, high integration, and cost-effectiveness.
- High stability, wear resistance, corrosion resistance, impact resistance, and vibration resistance.
- Meets the pressure requirements of most general industrial applications.

External dimensions(mm)



Product Selection

DW8011C General Industrial Pressure Transmitter Selection Table		
Pressure Type	A	Gauge Pressure
Signal Output	1	4~20mA Two-Wire System
	2	0~10V Three-Wire System
Product Accuracy	A	0.1% F.S
	B	0.25% F.S
	C	0.5% F.S
Measuring Range and Maximum Overload	B	0~250KPa, Maximum Overload 4MPa
	C	0~1MPa, Maximum Overload 6MPa
	D	0~4MPa, Maximum Overload 20MPa
	E	0~10MPa, Maximum Overload 40MPa
	F	0~20MPa, Maximum Overload 60MPa
	G	0~40MPa, Maximum Overload 80MPa
Electrical Connection	C1	Sealed Waterproof Connector
	C2	Hirschmann Connector
	C3	Aviation Plug
Temperature Range	T1	-20~80°C
Display Mode	LED	Glow Display (Orange Gauge Head)
	N	No Display
Process Connection	P1	M20*1.5 External Thread
	P2	M10*1.0 External Thread
	P3	M12*1.0 External Thread
	P4	M12*1.25 External Thread
	P5	M14*1.5 External Thread
	P6	M16*1.5 External Thread
	P7	G1/4 External Thread
	P8	G1/8 External Thread
	P9	G1/2 External Thread
	P10	G3/8 External Thread
	P11	1/4NPT External Thread
	P12	1/2NPT External Thread
	P13	1/8NPT External Thread
	P14	3/8NPT External Thread
	P15	Customized
Cable Length	1	1m Cable
	2	2m Cable
	5	5m Cable