

Descriptions

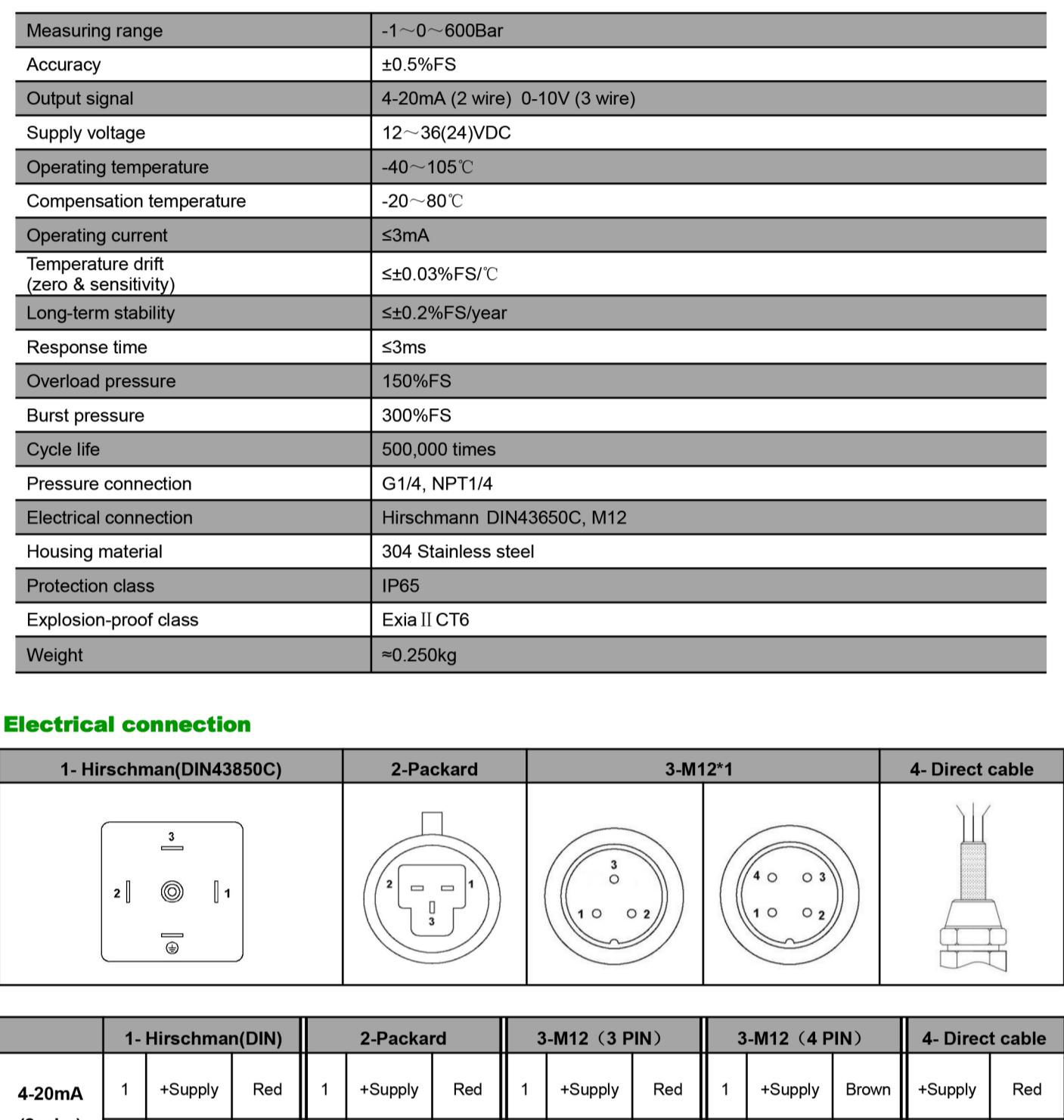
XDB305 series pressure transmitters adopt the international advanced piezoresistive sensor technology, can be selected from the different sensor core depending on the various application. With all stainless steel package, good long-term stability, multiple signal outputs, they can be suitable for most media and adapted to various environments and climates, thus they are widely used in various fields.

Features

- CE conformity
- Low cost and high quality
- All stainless steel structure
- Small size, convenient to install and operate
- 4-20mA, 0.5-4.5V, 0-5V, 0-10V, I²C, various voltage output
- Complete surge voltage protection function
- For applications such as air, water, oil
- Provide OEM, flexible customization

Applications

- Intelligent IoT constant pressure water supply
- Engineering machinery, industrial process control and monitoring
- Energy and water treatment systems
- Steel, light industry, environmental protection
- Medical, agricultural machinery and testing equipment
- Flow measurement equipment
- Hydraulic and pneumatic control systems
- Air-conditioning unit and refrigeration equipment



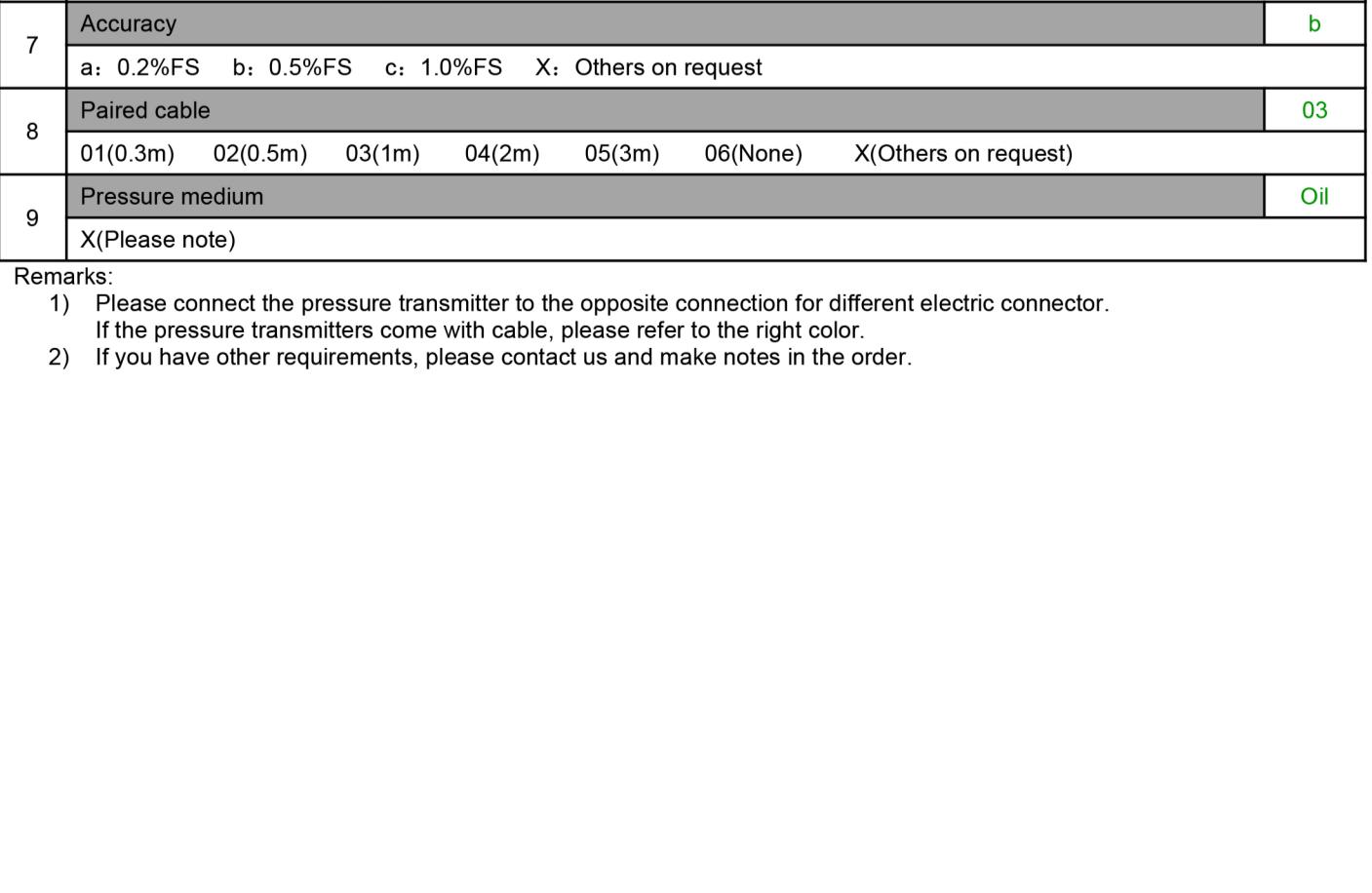
Parameters

Measuring range	-1~0~600Bar	
Accuracy	±0.5%FS	
Output signal	4-20mA (2 wire) 0-10V (3 wire)	
Supply voltage	12~36(24)VDC	
Operating temperature	-40~105°C	
Compensation temperature	-20~80°C	
Operating current	≤3mA	
Temperature drift (zero & sensitivity)	≤±0.03%FS/°C	
Long-term stability	≤±0.2%FS/year	
Response time	≤3ms	
Overload pressure	150%FS	
Burst pressure	300%FS	
Cycle life	500,000 times	
Pressure connection	G1/4, NPT1/4	
Electrical connection	Hirschmann DIN43650C, M12	
Housing material	304 Stainless steel	
Protection class	IP65	
Explosion-proof class	Exia II CT6	
Weight	≈0.250kg	

Electrical connection

	1- Hirschman(DIN)	2-Packard	3-M12*1	4- Direct cable
4-20mA (2 wire)	1 +Supply Red	1 +Supply Red	1 +Supply Red	1 +Supply Brown
	2 +Output Black	2 +Output Black	2 +Output Black	+Output Black
0-10V, 0-5V, 0.5-4.5V (3 wire)	1 +Supply Red	1 +Supply Red	1 +Supply Red	1 +Supply Brown
	2 GND Black	2 GND Black	2 GND Black	GND Black
	3 +Output White	3 +Output Yellow	3 +Output White	-Supply Black
				+Output White

Dimension (unit: mm)



Ordering information

Example: XDB305_0.6M_01_2_A_G1_W5_b_03_oil

1	Pressure range	0.6Mpa	0.6
2	Pressure type	01(Gauge) 02(Absolute)	01
3	Supply voltage	0(5VDC) 1(12VDC) 2(9~36(24)VDC) 3(3.3VDC)	2
4	Output signal	A(4-20mA) B(0-5V) C(0.5-4.5V) D(0-10V) E(0.4-2.4V) F(1-5V) G(I ² C) X(Others on request)	A
5	Pressure connection	G1(G1/4) G2(G1/8) G3(G1/2) N1(NPT1/8) N2(NPT1/4) N3(NPT1/2) M1(M20*1.5) M2(M14*1.5) M3(M12*1.5) M4(M10*1) X(Others on request)	G3
6	Electrical connection	W1(Direct cable) W2(Packard) W3(M12-3Pin) W4(M12-4Pin) W5(Hirschmann DIN43650C) W6(Hirschmann DIN43650A) W7(Direct plastic cable) X(Others on request)	W6
7	Accuracy	a: 0.2%FS b: 0.5%FS c: 1.0%FS X: Others on request	b
8	Paired cable	01(0.3m) 02(0.5m) 03(1m) 04(2m) 05(3m) 06(None) X(Others on request)	03
9	Pressure medium	X(Please note)	Oil

Remarks:

1) Please connect the pressure transmitter to the opposite connection for different electric connector.
If the pressure transmitters come with cable, please refer to the right color.

2) If you have other requirements, please contact us and make notes in the order.