



USER MANUAL

 ONE-STOP SOLUTION

 ONE-STOP SERVICE

User Manual for General Purpose Pressure Transmitter P20E Series

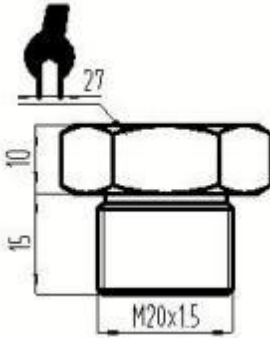
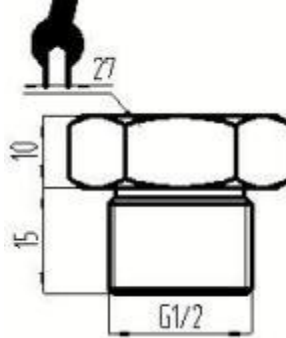
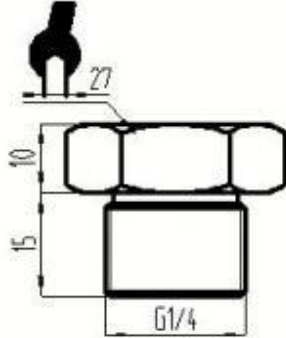
1. Overview

The P20E series pressure transmitters are equipped with a diffused silicon sensing element, paired with a dedicated integrated circuit that converts millivolt signals into a standardized current output. This allows for direct integration with PLCs, computer interface cards, control devices, or intelligent instruments. For stable long-distance data transmission, the current output is the preferred option.

Compact, lightweight, and built with a fully sealed stainless-steel housing, the transmitter is well-suited for operation in corrosive or demanding environments. It is simple to install and engineered with strong resistance to vibration and impact. Owing to these qualities, the P20E series is widely applied in process automation, aerospace, automotive systems, medical devices, HVAC, and many other industries.

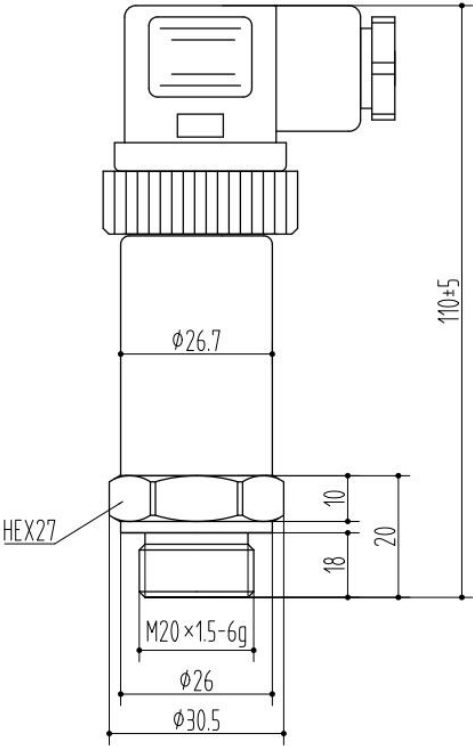
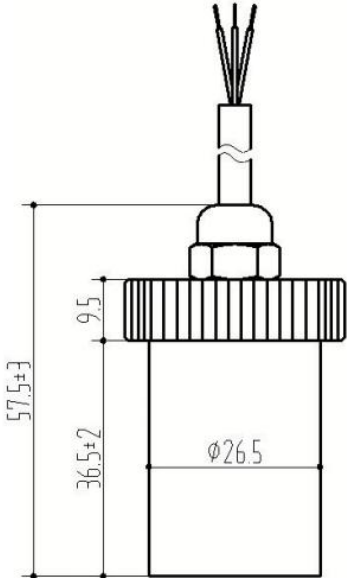
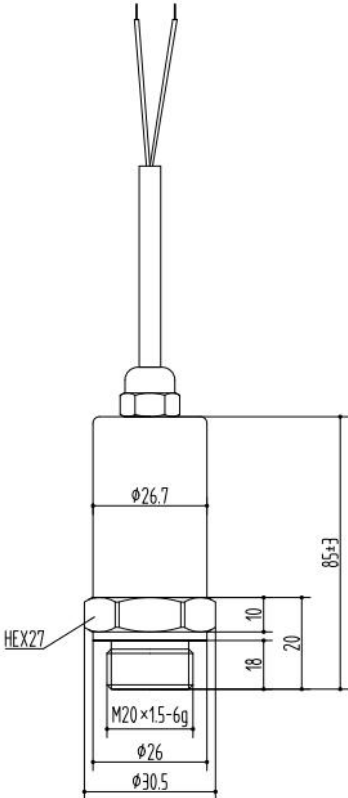
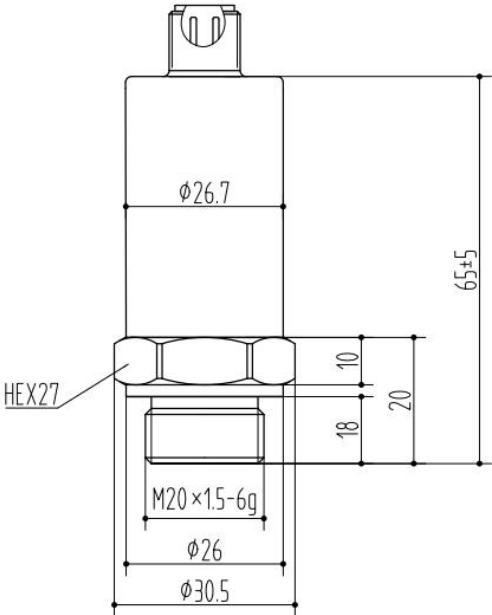
2. Process Connection

The available thread types are shown in the table below.

Thread	M20× 1.5-6g	G1/2	G1/4
Dimensional Drawing Unit: mm Tolerance: ±1			
Installation Torque	15~25Nm	15~25Nm	15~25Nm

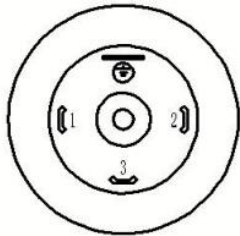
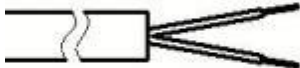
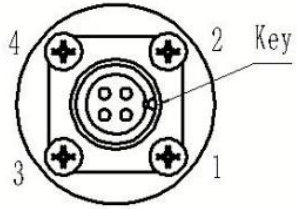
3. Electrical Connection

Electrical connection types are shown in the table below.

Dimensional Drawing Unit: mm Tolerance: ± 2	Hirschmann DIN43650 	Hirschmann with Cable-out 
	Cable-out 	M12 

4. Wiring Definition

Wiring definitions are shown in the table below.

Electrical connection	Hirschmann DIN43650	Cable-out / Hirschmann with Cable-out	M12
Appearance			
2-wire current	PIN 1: V+ PIN 2: Iout	Red: V+ Green/blue: Iout	PIN 1: V+ PIN 2: Iout
3-wire voltage	PIN 1: V+ PIN 2: V- PIN 3: Vout	Red: V+ Green/blue: V- Yellow: Vout	PIN 1: V+ PIN 2: V- PIN 3: Vout

5. Installation Method

- Choose a location that is convenient for operation and maintenance.
- Install the transmitter away from vibration sources and heat sources whenever possible.
- It is recommended to connect the transmitter to the measurement pipeline via a valve.
- When installing, tighten using a wrench on the hexagonal section of the transmitter (see Fig. 1).
- During operation, ensure that the Hirschmann connector's sealing gasket, screws, and cable gland are properly tightened (see Fig.2).

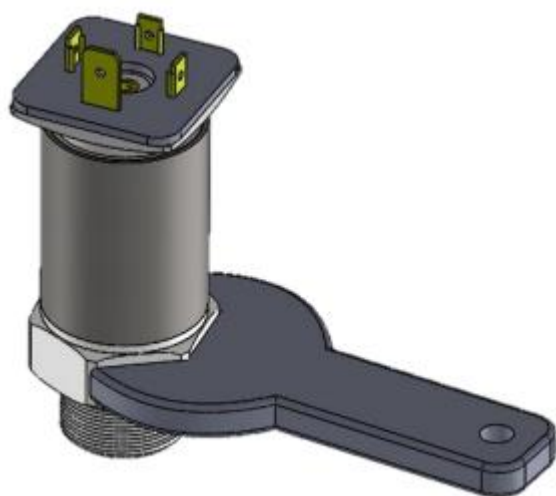


Fig. 1

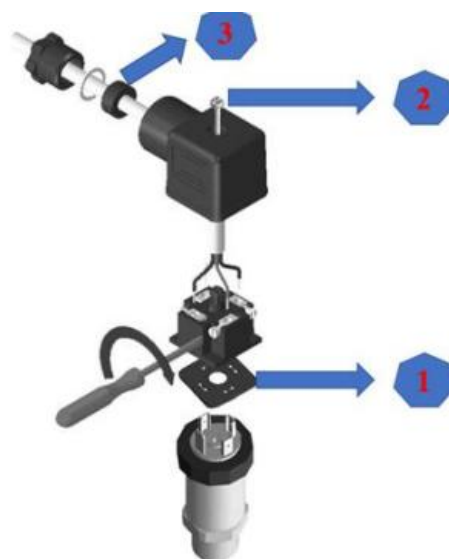


Fig. 2

6. Safety Precautions

- Handle and install the transmitter with care to avoid damaging internal components due to shock, which may affect circuit performance.
- The pressure inlet contains an isolation diaphragm—do not touch it with foreign objects (see Fig. 3).
- Do not rotate the Hirschmann connector directly, as this may cause internal short circuits (see Fig. 4).
- Follow the wiring instructions strictly. Incorrect wiring may damage the amplifier circuit.
- If you encounter any issues during installation or operation, do not attempt to disassemble or repair the product yourself. Contact the manufacturer immediately if any abnormality occurs.



Fig. 3



Fig. 4