

PRESSURE SENSORS & SWITCHES

WATER / HVAC / INDUSTRIAL CONTROL



Measurement for industrial systems.
A focused product selection for your application.

PRODUCT CATALOGUE 2026

Choose by application

03**Water Pressure Transmitter**

Pump control, water supply and equipment water circuits.

04**Refrigeration Pressure Transmitter**

Pressure monitoring in refrigeration, chillers and heat-pump equipment.

05**Air Differential Pressure Transmitter**

Air-filter monitoring, ventilation and pressure comparison in air-handling systems.

06**Electronic Pressure Switch**

Local pressure indication and switching for industrial equipment and pump systems.

Ranges and outputs are configuration options. Select the exact version for the operating conditions; illustrations show representative products.

PRESSURE MEASUREMENT

Water Pressure Transmitter

**APPLICATION**

Pump control, water supply and equipment water circuits.

Selectable spans	0-0.1 MPa through 0-4 MPa
Accuracy options	±0.5% FS or ±1% FS
Output options	4-20 mA or 0.5-4.5 V
Supply options	24 VDC (9-33 VDC) or 5 V; output-dependent
Process connections	G1/4, G1/2, M20 × 1.5 or G3/8; specify on order
Temperature / protection	-40 to +85°C / IP67, subject to configuration

SELECTION NOTES

Specify the wetted materials and seals for water or glycol mixtures. Confirm concentration, maximum temperature and transient pressure. Electrical and supply options must be matched.

PRESSURE MEASUREMENT

Refrigeration Pressure Transmitter



APPLICATION

Pressure monitoring in refrigeration, chillers and heat-pump equipment.

Selectable spans	0-0.1 MPa through 0-4 MPa
Pressure references	Gauge, absolute or sealed gauge
Accuracy options	±0.5% FS or ±1% FS
Output options	4-20 mA or 0-5 V
Supply options	11-36 VDC or 3-5 VDC; version-dependent
Electrical connection	Plug connector; confirm pinout and mating plug

SELECTION NOTES

Name the refrigerant and lubricant when enquiring. Confirm pressure rating, temperature limits and material compatibility; suitability for R290 or CO2 is not established by this overview.

PRESSURE MEASUREMENT

Air Differential Pressure Transmitter

**APPLICATION**

Air-filter monitoring, ventilation and pressure comparison in air-handling systems.

Measurement	Differential air pressure
Bipolar span options	± 0.5 , ± 1 , ± 1.5 , ± 3 , ± 5 , ± 6 or ± 10 kPa
Output options	4-20 mA, 0-5 V, 0-10 V or RS485
Pressure interface	Two pressure ports
Configuration	Select span and electrical output for the controller

SELECTION NOTES

For air-pressure measurement. Confirm permitted gas condition, overload pressure, accuracy, supply and tubing size. Do not use this air version for liquid differential pressure without written confirmation.

Electronic Pressure Switch



APPLICATION

Local pressure indication and switching for industrial equipment and pump systems.

Display	4-digit numeric display
Switch outputs	Two switching channels; PNP or NPN version
Analog output	4-20 mA option
Supply	24 VDC $\pm 20\%$
Control accuracy	$\leq \pm 0.5\%$ FS
Process connections	G1/4, G1/2 or M20 $\times$ 1.5
Range selection	Specify required pressure span when ordering

SELECTION NOTES

Set the switching point and hysteresis for the process. Confirm the selected range, output loading, connector wiring and environmental rating before ordering.

Configure your measurement

01 Process

Medium, composition, minimum / normal / maximum conditions and required measurement range.

02 Installation

Mounting position, connection standard, dimensions, wetted materials and environmental conditions.

03 Electrical interface

Supply voltage, output signal, switching logic, connector, cable and communication protocol.

04 Performance

Accuracy, response time, calibration needs and any application-specific documentation.

05 Supply scope

Quantity, sample requirement, display language, delivery date and required accessories.

Send your enquiry to sales@tianzhiyitech.com.

Final specifications, compatibility, documentation and delivery scope are confirmed for the quoted configuration.



TIANZHIYI TECH

PRESSURE SENSORS & SWITCHES

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