# HPM129A-123/123T High Temperature Melt Pressure Transmitter

## Nanjing Hangjia Electronic Technology Co.,Ltd.

## Product Description

HPM129A-123/123T High Temperature Melt Pressure Transmitter instrument can be used in Melt-blown fabric production procedure to measuring and controlling pressure of high-temperature articles. It also applied in the fields of chemical fibers, plastics and rubber or high-temperature resistant fluid. By assimilating advanced technologies of similar international products and using imported raw materials and key elements, the instrument is characteristic of stable operation, reliable performance, high accuracy, strong output signal, excellent dynamic performance and slight high-temperature resistant zero drift. This series Transducers can joint with our Intelligence digital display pressure sensor instruments to control and measure pressure.Connecting screws and outgoing connectors are all universal.

## Applications

1.Plastic extrusion machine

2.Rubber industry

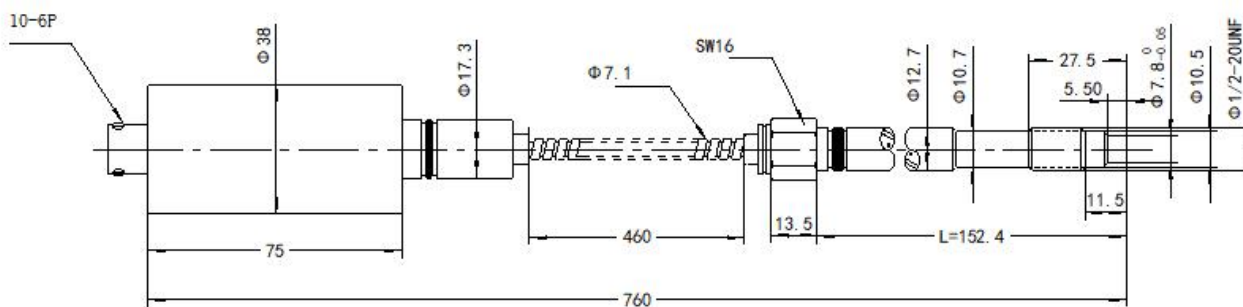3.Laboratory, Chemical Fiber Industry

4.High pressure liquid measurement

## Features

● 80% internal calibration signal

● maximum temperature 400℃

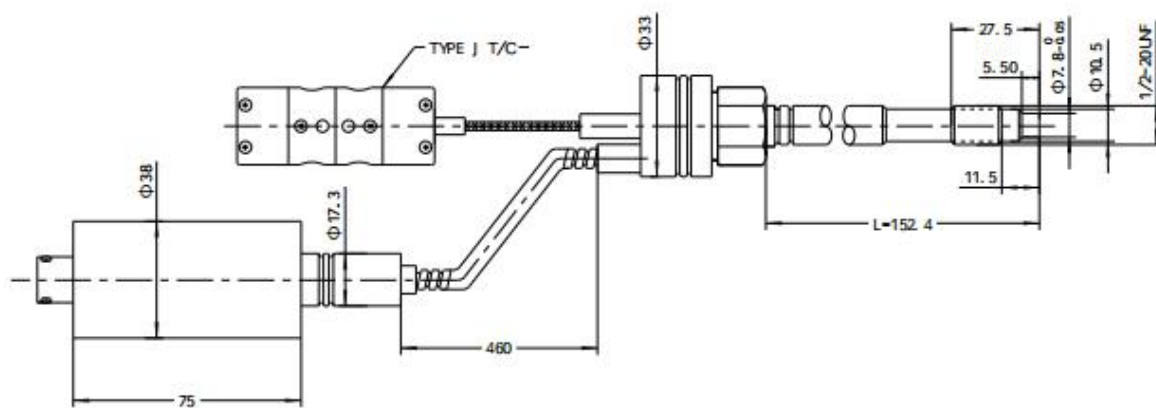● High stability and reliability

● 15-5PH Diaphragm

## Parameters

| | |
|---|---|
| Range: | 0….10MPa to 0….150MPa    (0…1500psi to 0…20000psi) |
| Output: | 0~5V; 0~10V; 4-20mA optional |
| Accuracy: | ±0.5%FS |
| Input voltage: | 24（12~36V）DC |
| Repeatability: | ±0.2% |
| Construction: | Wheatstone bridge |
| Bridge resistance: | 350 ohms±10% |
| Overload pressure: | 1.5×FSO |
| Internal calibration: | 80%±1% |
| Insulation Resistance: | 1000Megohms @50Vdc |
| Max. Diaphragm Temp: | 0~350℃ |
| Thermocouple type: | J,K,E,PT100 Optional |
| Electric connector: | 5PIN, 6PIN |

## Dimension



**HPM129A-123**



**HPM129A-123T**

(Note: T means with temperature measurement element)

# Ordering Guide

| Model | Item NO. |
|---|---|
| HPM129A | 123 |
|  | 123T |

| Pressure Range | Measuring Range |
|---|---|
| 0~10MPa...150Mpa | Fill out directly |

| Code | Output Signal |
|---|---|
| B1 | (4~20)mA |
| B2 | (0~10)V |
| B3 | (0~5)V |

| Code | Thread Spec |
|---|---|
| P1 | M14×1.5 |
| P2 | 1/2-20UNF |
| P3 | M18×1.5 |
| P4 | M22×1.5 |

| Code | Electrical Connection |
|---|---|
| C1 | 5 Pin Plug |
| C2 | 6 Pin Plug |
| C3 | Cable gland |

| Code | Temperature signal type |
|---|---|
| N | N/A |
| J | J type thermocouple |
| K | K type thermocouple |
| E | E type thermocouple |
| P | PT100 |

| E.g. HPM129A-123T | (0~10)~150MPa | B1 | P1 | C1 | p |
|---|---|---|---|---|---|

Note: For model HPM129A-123T, please note the temperature signal type and temperature measuring range.