

Bayonet Cap

P-4D



- Adjustable spring load probe is available to ensure constant consistent force
- The Stopper is available to fix on any place of your applications
- Various Connection Jigs and caps for the twists and locks of mold applications
- Bayonet Lock Cap to allow quick installation and secured attachment

The HAWK *B model* temperature sensor is with the bayonet connection design which provides a reliable reading, low cost, quick installation and secure contact to virtually any application requiring constant temperature monitoring and checking. It can provide mechanical protection in harsh environment. This compact and durable device is ideal for confined and high-vibration environments such as plastic molding, metal processing, and die casting industries.



Specifications

Sensing Element:

K(Ni-Cr, Ni-Al)...0/+1200°C, E(Ni-Cr, Ni-Cu)...-200/+900°C, J(Fe, Ni-Cr)...-50/750°C, T(Cr, Ni-Cr)...-200/+350°C, N(Ni-Cr-Si, Ni-Si)...0/1200°C, Platinum $100\Omega/500\Omega/1000\Omega$, Nickel 120Ω , Copper 10Ω , Single, Double or Tripple Resistance, Element.

Tolerance (°C)-PT100:

JIS/DIN

ClassA	ClassB	
±(0.15+0.002 t)	±(0.3+0.005 t)	

ASTM

ClassA	ClassB	
±(0.13+0.0017 t)	±(0.25+0.0042 t)	

Probe Size:

1/4" diameter-Standard, 3/8", 3.2mm, 6mm, 8mm, 10mm, 12mm, others dia available.

Probe Length:

10mm, 20mm, 1/2", 1", 1 1/2" standard lengths, others available.

Jig Connection Size:

Thread.....3/8", 1/4", 1/8" NPT standard, JIS, DIN, M10*1.0, M14*1.0 and M16*1.5 available.

Probe Material:

SS304, SS316, SS316L.

Transition Style:

Standard, Spring or Armor.

Insulation/Conductor:

Fiberglass, PVC or PTFE.

Wire Termination:

Plain Leads-not stripped, Stripped. Lead 3mm, Spade lug, Standard Male Plug, Mini Male Plug, Standard Female Socket, Mini Female Socket, Terminal Pin or others.



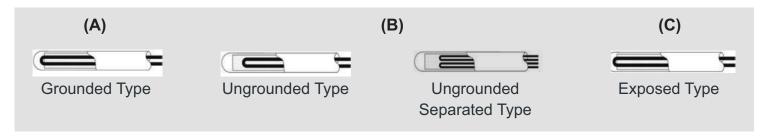
Bayonet Cap

P-4D

Tolerance Thermocouple

	JIS C1605/DIN(IEC 584-2)			ASTM E230
Code	Class 1	Class 2	Class 3	STD/SP
K-TYPE	-40°C~375°C ±1.5°C	-40°C~333°C ±2.5°C	-167°C~40°C ±2.5°C	STD±0.75% or ±2.2°C(4°F)
	375°C~1000°C ±0.004 · t	333°C~1200°C ±0.0075 · t	-200°C~-167°C ±0.0015 · t	SP±0.4% or ±1.1°C(2°F)
N-TYPE	-40°C~375°C ±1.5°C	-40°C~333°C ±2.5°C	-167°C~40°C ±2.5°C	STD±0.75% or ±2.2°C(4°F)
	375°C~1000°C ±0.004 · t	333°C~1200°C ±0.0075 · t	-200°C~-167°C ±0.0015 · t	SP±0.4% or ±1.1°C(2°F)
E-TYPE	-40°C~375°C ±1.5°C	-40°C~333°C ±2.5°C	-167°C~40°C ±2.5°C	STD±0.5% or ±1.7°C(3.1°F)
	375°C~800°C ±0.004 · t	333°C~900°C ±0.0075 · t	-200°C~-167°C ±0.0015 · t	SP±0.4% or ±1°C(1.8°F)
J-TYPE	-40°C~375°C ±1.5°C	-40°C~333°C ±2.5°C	-	STD±0.75% or ±2.2°C(4°F)
	375°C~750°C ±0.004 · t	333°C~750°C ±0.0075 · t	-	SP±0.4% or ±1.1°C(2°F)
T-TYPE	-40°C~125°C ±0.5°C	-40°C~133°C ±1°C	-67°C~40°C ±1°C	STD±0.75% or ±1°C(1.8°F)
	125°C~350°C ±0.004 · t	133°C~350°C ±0.0075 · t	-200°C~-67°C ±0.0015 · t	SP±0.4% or ±0.5°C(0.9°F)

Measuring Junction Type



- (A) The thermocouple is grounded to the protective tube. It is with fair response than unground type. It is not suitable for the noisy an dangerous location such us electromagnetic induction interfered by radio frequency.
- (B) The thermocouple is covered with insulator. It responses slower than grounded type. For most applications, it can ensure a long-life. It is available in two control loop separately.
- (C) The thermocouple is exposed. It is with rapid reponse, but not good in airtightness, insulation and machanical strength.

Typical Applications

- ► Injection molding machinery
- ► Vehicle brake system
- ► Plastic processing equipment
- ► Power generating stations
- ► Cylinder and sump
- ► Industrial engines
- ▶ Pipelines and vessels
- ▶ Bearing processing

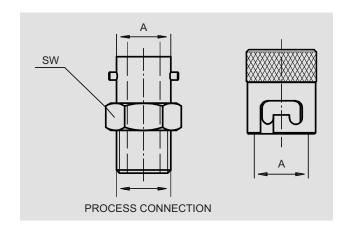
www.hawkgauge.com.tw Pressure Temperature Level Flow



Bayonet Cap

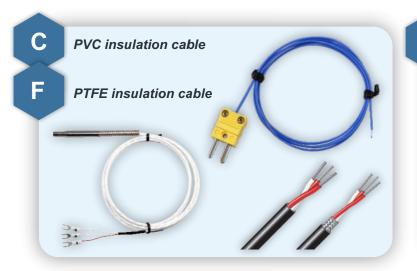
P-4D







Insulation/Conductor





Transition Type







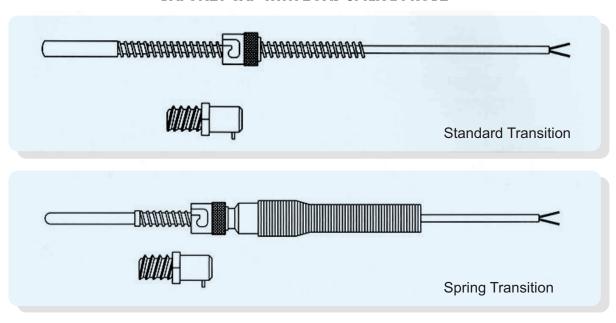


Bayonet Cap

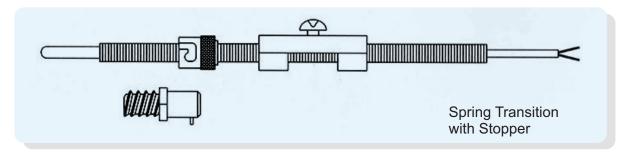
P-4D



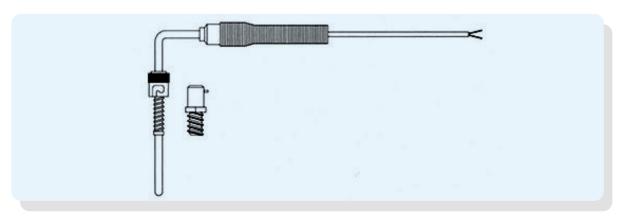
BAYONET CAP WITH LOAD SPRING PROBE



BAYONET CAP PROBE



L TYPE BAYONET CAP WITH SPRING PROBE

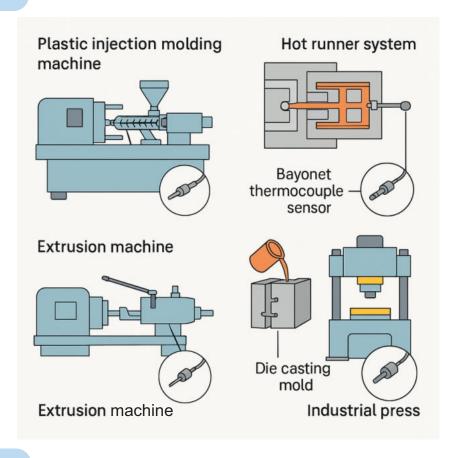




Bayonet Cap

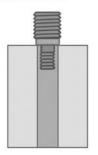
P-4D

Applications

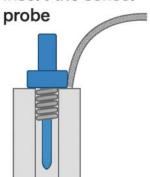


Installation

1. Confirm installation hole size



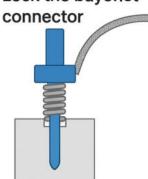
3. Insert the sensor probe



2.Prepare the sensor with bayonet cap



4. Lock the bayonet

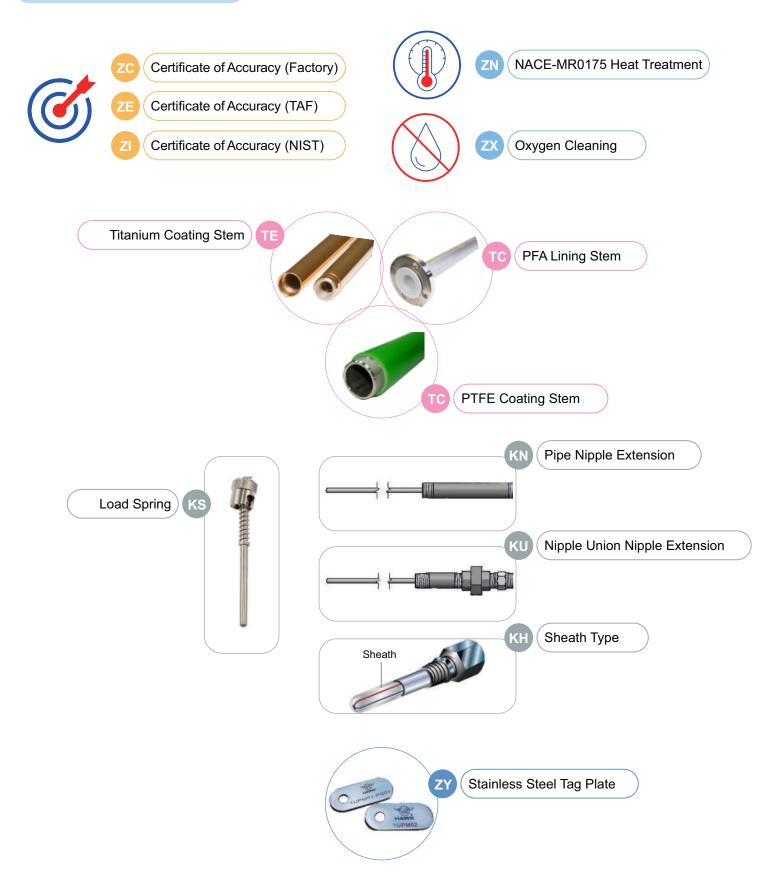




Bayonet Cap

P-4D

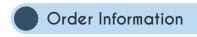


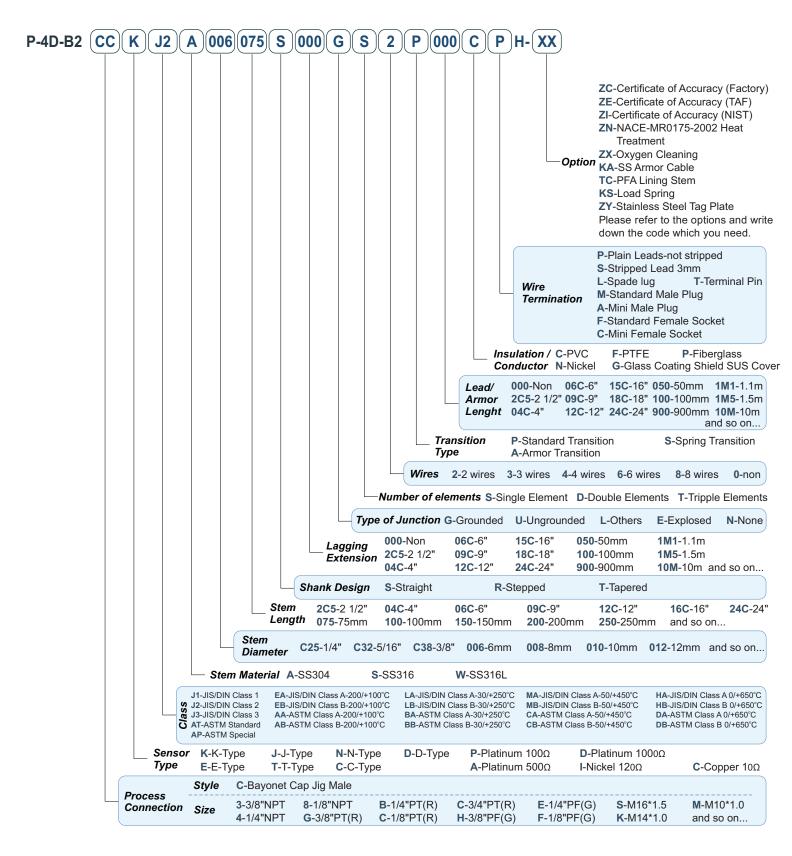




Bayonet Cap

P-4D







Bayonet Cap

P-4D



Limited Warranty and Liability

HAWK GAUGE CO.,LTD warrants all its mechanical instruments to be free from defects in materials and workmanship.

HAWK agrees to repair or replace any thermometers if returned to our factory, transportation charges prepaid, and after which examination reveals is to be defective due to faculty workmanship or material.

- This warrant should not apply to subject to the following terms and conditions:
- A. The product has not been subjected to misuse, neglect, abuse, accident, incorrect mounting, improper use or misapplication such as negligence, accident, vandalism, shock or vibration.
- B. The performance of any system of which HAWK's products are a component part.
- C. The product has not been exposed to any other service, range or environment of greater severity than that for which the products were designed.
- D. The product has not been altered or repaired by anyone except HAWK GAUGE or its authorized service agencies.
- E. The serial number or date code has not been removed, defaced or changed.
- F. The actual pressure&temperature occurring exceed the values specified for HAWK Thermometer.

Unless otherwise specified in a manual or warranty card, or agree to in a writing signed by HAWK GAUGE office, HAWK Process gauge products shall be warranted for one years from the date of sale.

This warranty is in lieu of all other warranties expressed or implied, and of all obligations or liabilities on its part for damages including but not limited to consequential damages, following the use of misuse of instruments sold by it. No agent is authorized to assume for it any liability except as set forth above.



Note

HAWK GAUGE CO.,LTD reserves the right to make product improvements and change its specifications at any time stated throughout this brochure without notification. Please contact the factory on all critical dimensions and specifications for verification.

HAWK GAUGE is not expert in the customer's technical field and therefore doesn't warrant suitability of it's product for the application selected by customer.



Data Sheet No: MKDP4DBA2-E