

P-1D

■ Low Cost

- Range from 6 inH₂O to 15 PSI including Vacuum and Compound Range
- Capsule Actuated System
- Steel case with black enamel or chrome plated
- For use with gases which does not corrode copper alloy

HAWK 69B series capsule system pressure gauges are designed to measure low pressure from 6 in H_2O to 15 PSI. These use a diaphragm capsule as its sensing element. The sensing element consists two half capsules which are soldered together. The diaphragm capsule element expands by subject to pressure. The expansion is converted into the rotary motion of the pointer by a movement. This motion makes users read the scale easily. The wetted parts can be in beryllium copper or brass.



Typical Application

- Medical and pharmaceutical industry
- Industrial OEM equipment
- Low pressure pneumatic systems
- Gas detector

Specifications

Operating

Steady: 100%*full scale value Sudden: 130%*full scale value

All HAWK capsule low pressure gauge are with over-range protection up to 1.3 times of full scale value. Special design for high over-pressure (5 times) protection on request. HAWK Supplies a wide selection of range from 6 inH₂O to 15 PSI including vacuum and compound range.

Temperature limit

Ambient: -20 to 60°C Media: max 60°C-Copper

Winder range request, please consult

the factory.

Temperature effect

Accuracy of measurement will be affected by the temperature change. This inaccuracy may as high as $\pm 0.3\%$ for 10° C temperature change.

Dial Size

2 1/2" (63mm), 3" (75mm),

4" (100mm).

Case

Steel Case with black enamel (chrome plated on request).

Ring

Polycarbonate.

Socket

Brass (chrome plated on request).

Movement

Brass movement with overload and underload stops.

Capsule Element

Beryllium Copper or Bronze.

Window

Polycarbonate.

Pointer

Anodized aluminum with black finish.

Accuracy

±3-2-3% of span(2-1-2%-option) (Grade B to ASME B40.1).

Zero-Adjustment

Adjustable screw on dial.

Scale

PSI, kPa, mmH₂O, mbar, inH₂O, oz./in2 (single or dual scale).

Connection

1/8", 1/4", 3/8" NPT standard, JIS, DIN available.

Mounting

Flushing panel mounting.

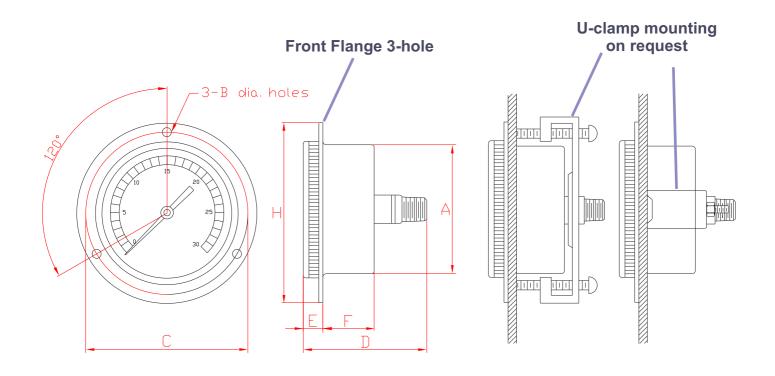
Weatherproof

NEMA 2/IP43 enclosure.



P-1D

Dimensions



 $\textbf{Dimensions}, \, \text{in.(mm)}$

Type No	Dial Size	Α	В	С	D	E	F	G	Н	J	K	L	Weight
69B	2.5"	2.60" (68)	0.19" (5)	3.07" (78)	2.21" (56)	0.28" (7)	0.98" (25)		3.35" (85)				0.18-0.23 Kg

Type No	Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	Weight
69B	3"	3.11" (79)	0.19" (5)	3.70" (94)	2.52" (64)	0.35" (9)	1.10" (28)		4.09" (104)				0.30-0.37 Kg

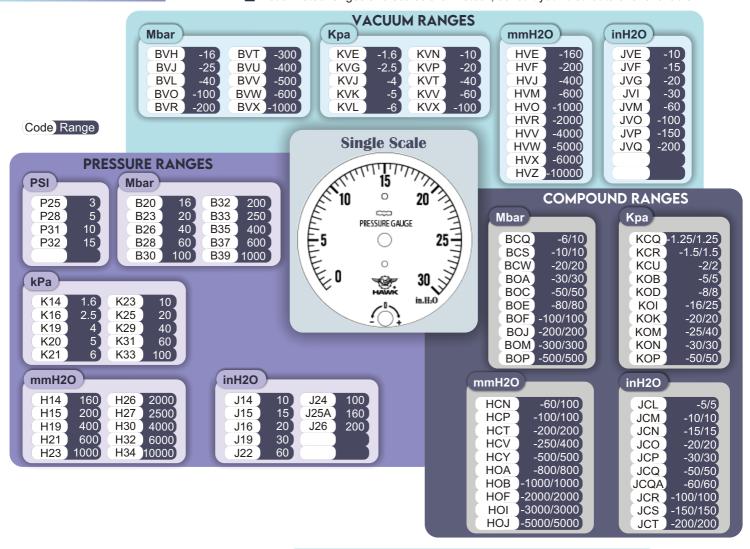
Type No	Dial Size	Α	В	С	D	E	F	G	Н	J	K	L	Weight
69B	4"	4.06" (103)	0.19" (5)	4.58" (116)	2.52" (64)	0.35" (9)	1.10" (28)		5.04" (128)				0.39-0.46 Kg

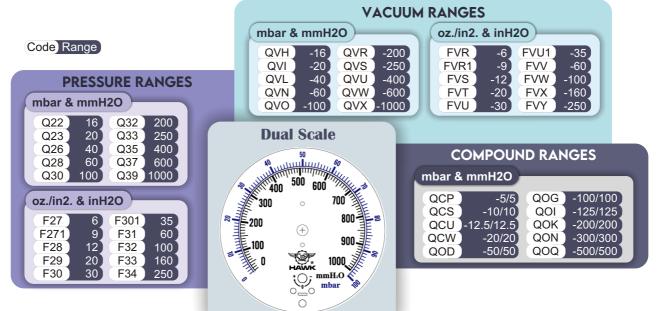


P-1D

Pressure Range

- The other scales and ranges (DIN) are available in request.
- Not all listed ranges and scales are in stock, consult your distributors for available.

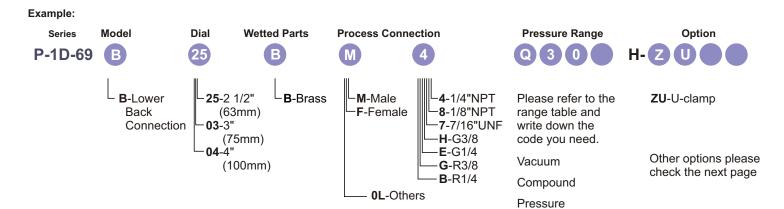




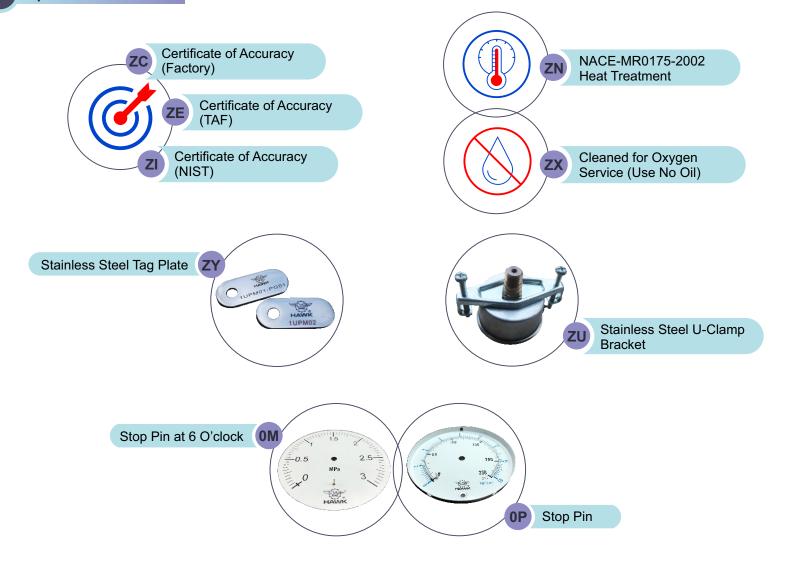


P-1D

Order Information



Option





P-1D

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 pressure gauges 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 Process gauge.

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: MKDP1D69A3-E