

Model AS17A/AS19G

Aerospace Pressure Transducer



DESCRIPTION

Model AS17A high accuracy strain gage absolute pressure transducer combines light weight and small size with rugged stainless steel construction. The Model AS19G is a true gage unit with our special double diaphragm design which provides

hermetic protection for the internal components while allowing the unit to reference atmospheric pressure. All units are able to meet MIL-45208 and traceability requirements.

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FEATURES

- Non-linearity 0.15 % BFS
- Lightweight
- Amplified outputs available (consult factory)
- CE approved

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PERFORMANCE SPECIFICATIONS

Characteristic	Measure
Pressure ranges - AS17A (absolute)	10 psia to 10000 psia
Pressure ranges - AS19G (gage)	25 psig to 10000 psig
Linearity	±0.15 % full scale
Hysteresis	±0.10 % full scale
Output	3 mV/V nominal
Resolution	Infinite

ENVIRONMENTAL SPECIFICATIONS

Characteristic	Measure
Temperature, operating	-54 °C to 149 °C [-65 °F to 300 °F]
Temperature, compensated	-54 °C to 121 °C [-65 °F to 250 °F]
Temperature effect, zero	0.005 % full scale/°F
Temperature effect, span	0.005 % reading/°F

ELECTRICAL SPECIFICATIONS

Characteristic	Measure
Excitation (calibration)	10 Vdc
Bridge resistance	350 ohm
Electrical termination (std)	Bendix PTIH-10-6P or equivalent

MECHANICAL SPECIFICATIONS

Characteristic	Measure
Media	Fluids compatible with 17-4 PH stainless steel
Pressure port	7/16-20 per MS33656E-4
Wetted parts material	17-4 PH stainless steel
Weight	0.14 kg [5 oz]
Case material	Stainless steel

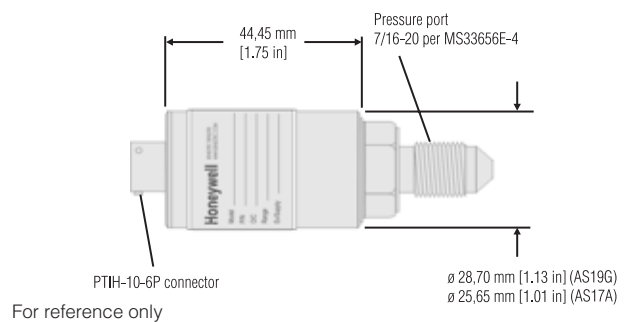
WIRING CODES

Connector	Unamplified
A and B	(+) Excitation
C and D	(-) Excitation
E	(-) Output
F	(+) Output

RANGE CODES

Range Code	Available ranges
AV	10 psig/a
BJ	15 psig/a
BL	25 psig/a
BN	50 psig/a
BP	75 psig/a
BR	100 psig/a
CJ	150 psig/a
CL	200 psig/a
CP	300 psig/a
CR	500 psig/a
CT	750 psig/a
CV	1000 psig/a
DJ	1500 psig/a
DL	2000 psig/a
DN	3000 psig/a
DR	5000 psig/a
DT	7500 psig/a
DV	10000 psig/a

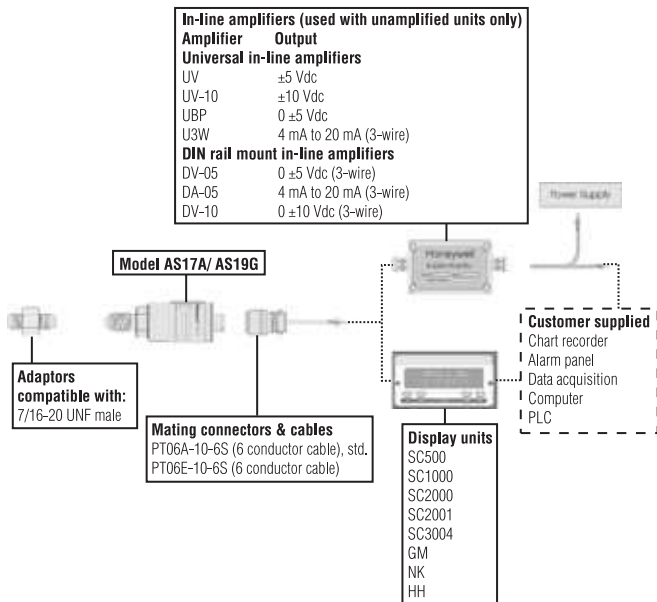
MOUNTING DIMENSIONS AND CHARACTERISTICS



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TYPICAL SYSTEM DIAGRAM



Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-815-235-6847

Email inquiries to info.sc@honeywell.com

WARNING **PERSONAL INJURY**

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

WARNING **MISUSE OF DOCUMENTATION**

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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