

Model AS25D

Aerospace Pressure Transducers



DESCRIPTION

Model AS25D wet/wet differential pressure sensor features welded stainless steel diaphragms on both ports. All units are able to meet MIL-45208 and traceability requirements.

FEATURES

- 0.3% accuracy
- Lightweight

Model AS25D

PERFORMANCE SPECIFICATIONS

Characteristic	Measure
Pressure ranges	15 psid to 2000 psid
Accuracy	±0.3 %
Non-linearity	±0.2 % full scale (typical)
Hysteresis	±0.1 % full scale (typical)
Output	2 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	0.01 % full scale/ °F
Temperature, effect, span	0.01 % reading/ °F

ELECTRICAL SPECIFICATIONS

Characteristic	Measure
Excitation (calibration)	10 Vdc
Bridge resistance	350 ohm
Electrical termination (std)	Shielded cable

MECHANICAL SPECIFICATIONS

Characteristic	Measure
Media	Fluids compatible with 17-4 PH stainless steel
Pressure port	7/16-20 per MS33656-E4
Wetted parts material	17-4 PH stainless steel
Weight	Consult factory
Case material	Stainless steel

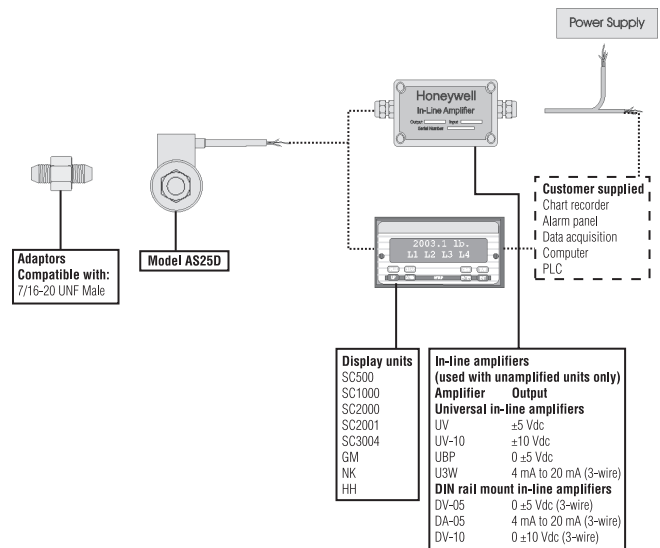
RANGE CODES

Range Code	Ranges	Range Code	Ranges
BJ	15 psid	CP	300 psid
BL	25 psid	CR	500 psid
BN	50 psid	CT	750 psid
BP	75 psid	CV	1000 psid
BR	100 psid	DJ	1500 psid
CJ	150 psid	DL	2000 psid
CL	200 psid		

WIRING CODES

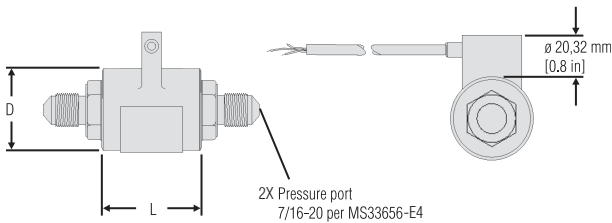
Cable/unamplified	
Red	(+) excitation
Black	(-) excitation
Green	(-) output
White	(+) output

TYPICAL SYSTEM DIAGRAM



MOUNTING DIMENSIONS AND CHARACTERISTICS

Range (psid)	ØD mm [in]	L mm [in]
15, 25	28,7 mm [1.13]	35,6 mm [1.4]
50, 75, 100, 150, 200, 300, 500	28,7 mm [1.13]	35,6 mm [1.4]
750, 1000, 1500, 2000	35,1 mm [1.38]	40,6 mm [1.6]



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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.