

Differential Pressure Transducer

Overview

The ACS2412 is a family of differential pressure transducer that delivers $\pm 2.5\%$ FS accuracy. The family comes in several FS pressure ranges providing positive or negative pressure monitoring. In cleanroom applications it can be used to monitor room differential pressure and in FFU applications it can be used to monitor filter loading or FFU motor functions. The output of the sensor is an analog signal that can be fed to a Console or interface card for monitoring and control.

Specifications

- Accuracy: $\pm 2.5\%$ FS
- Operating Temperature Range: -10° to 60° C
- Electrical Rating:
 - 12-30V DC
 - Output: 4-20 mA (2-wire) / 0-5 V (3-wire)



non-NIST PN	NIST PN	Output	Pressure Range
ACS2412-B050V	ACS2412-B050V-N	0-5V	-50 to +50 Pa (± 0.2 "wc)
ACS2412-B050A	ACS2412-B050A-N	4-20mA	-50 to +50 Pa (± 0.2 "wc)
ACS2412-U500V	ACS2412-U500V-N	0-5V	0 to 500 pa (2.0"wc)
ACS2412-U500A	ACS2412-U500A-N	4-20mA	0 to 500 pa (2.0"wc)

* Contact support for other non standard output/ pressure range requests

Mechanical

