

Installation Instructions for the DCXL-DS Series SURSENSE™ Ultra Low Pressure Sensor

ISSUE 1
50010832

GENERAL INFORMATION

The DCXL-DS Series provides a precision calibrated, ratiometric mV output based on SURSENSE, a proprietary technology. Each sensor features calibrated offset, full scale span and thermal error calibration to promote accuracy for flow pressure measurement. These highly stable sensors feature an industry-standard, ported package with improved stress isolation for printed circuit board mount applications.

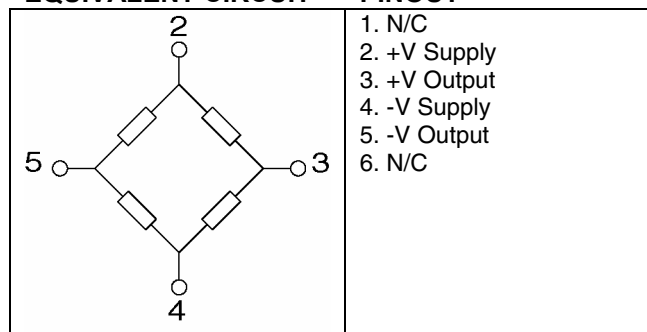
SOLDERING/ASSEMBLY

Limit soldering to 315 °C [600 °F] maximum, with duration of five seconds maximum. Leads must be adequately supported during any forming/shearing operation to ensure that the leads are not stressed inside the plastic case.

ENVIRONMENTAL SPECIFICATIONS

Compensated temperature	0 °C to 50 °C [32 °F to 122 °F]
Operating temperature	-25 °C to 85 °C [-13 °F to 185 °F]
Storage temperature	-40 °C to 125 °C [-40 °F to 257 °F]
Media compatibility	Ports 1 and 2. Dry gases only. Media must be compatible with epoxy-based adhesive, silicon, silicone, gold, nylon and alumina.

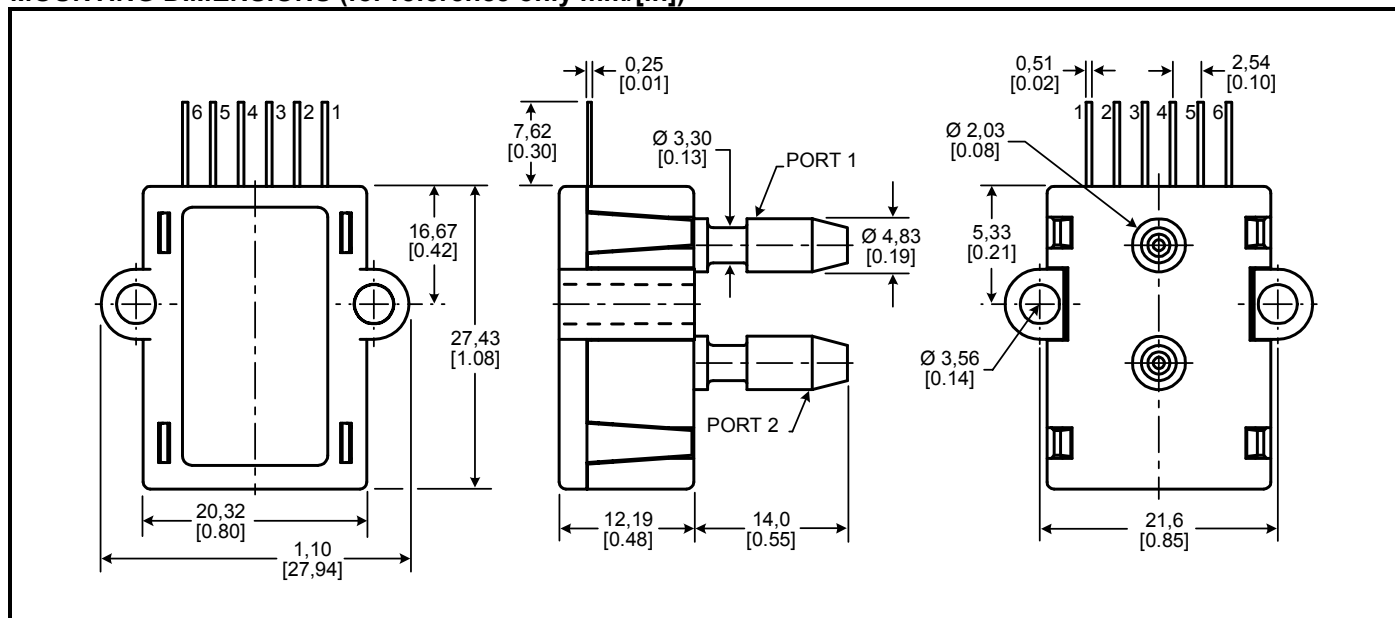
EQUIVALENT CIRCUIT



PINOUT

1. N/C
2. +V Supply
3. +V Output
4. -V Supply
5. -V Output
6. N/C

MOUNTING DIMENSIONS (for reference only mm/[in])



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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.



WARRANTY/REMEDY

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 other 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.

SALES AND SERVICE

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

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