

## 20PC SMT Pressure Sensors Deadspace Volume Figures (in<sup>3</sup>)

### BACKGROUND

Honeywell Sensing and Control's 20PC surface mount transducer (SMT) products may be used in a wide variety of applications and markets, two of which include medical and food/beverage

### PURPOSE

This application note describes the total deadspace figures for all of the 20PC pressure

products including the surface mount version (SMT). The deadspace is the volume inside a pressure sensor where there is no flow. Your application may also have to include tubing or fixturing, etc. Knowing deadspace volume is especially important in certain medical applications where fluids need to be cleaned out. The larger the deadspace, usually the harder it is to clean.

Description	Volume)
ESTIMATED DEADSPACE OF 20PC SMT	
20PCSMT (surface mount): Port 1	0.00042 in <sup>3</sup>
Port 2	0.00045 in <sup>3</sup>
ESTIMATED DEADSPACE OF OTHER 20PC PRODUCTS	
Port A, Straight	2.40 <sup>-03</sup> in <sup>3</sup>
Port B, Barbed	2.67 <sup>-03</sup> in <sup>3</sup>
Port C, Luer	2.53 <sup>-03</sup> in <sup>3</sup>
Port D, Modular	5.23 <sup>-04</sup> in <sup>3</sup>
Port G, SM. F/T	4.24 <sup>-04</sup> in <sup>3</sup>
Port H, M5 THD'D	1.35 <sup>-03</sup> in <sup>3</sup>
Ports I & K, 90 Deg.	3.94 <sup>-03</sup> in <sup>3</sup>
Port J, Needle	8.73 <sup>-04</sup> in <sup>3</sup>
Port M, 1/4 THD'D	1.50 <sup>-03</sup> in <sup>3</sup>

# Deadspace Volume Figures (in<sup>3</sup>)

Technical Note

## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace 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.**

For application assistance, current specifications, pricing, or name of the nearest Authorized Distributor, contact a nearby sales office. Or call:  
1-800-537-6945 USA  
1-800-737-3360 Canada  
1-815-235-6847 International

## FAX

1-815-235-6545 USA

## INTERNET

<http://www.sensing.honeywell.com>  
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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.

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# Honeywell

## Sensing and Control

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