



*Integrated 872B/LDM-C with a 1-1/8" c-seal*

# Micro-Baratron® Vista™ Gas Delivery Pressure Transducer

## Features and Benefits

### CONVENIENT

- Pressure transducer with integrated high visibility LED display
- 15-pin high density type "D" connector
- Useful when diagnosing system status

### COMPACT

- Available in face seal VCR® as well as 1.5" and 1-1/8" surface mount
- Less than 5" total height (1-1/8" c-seal)
- Integrated 15-pin "D" connector reduces inventory requirements

### VERSATILE

- Engineering units are customer selected between PSIA, kPA
- Display indicates negative and overpressure conditions
- All Inconel® wetted surfaces for media compatibility

## Description

Equipment manufacturers and gas delivery system designers require smaller pressure transducers and point-of-use displays. MKS answers this need by combining pressure measurement with pressure display, electrical connection and multiple viewing angles all in one design. By eliminating the bayonet-style connector on the display, MKS allows users to achieve a total height of less than 5 inches when specifying an 1-1/8" surface mount process connection.

Pressure measurement is achieved by using the industry standard 870 (single-ended) and 872 (flow-through) capacitance technology for stability and accuracy. All wetted parts are Inconel® or Incoloy® compatible with all semiconductor process gases. Unlike older designs, the display and pressure transducer may be ordered through one model code (see reverse), eliminating excess inventory or confusing electrical connections.

## Specifications

<b>Display</b>	4 place, 7 segment display, 0.31" high, red LED Supports (-) sign in first digit Overpressure indication by "OP"
<b>Connector</b>	15-pin Type "D"
<b>Ranges</b>	PSIA, kPA (consult factory for other engineering units)
<b>Adjustments</b>	Zero or span adjustments are made through the Micro-Baratron® Pressure Transducer
<b>Weight</b>	0.5 oz. (21g)
<b>Signal Output</b>	0-10 VDC signal +13 to 32 VDC power @ 15 ma max.
<b>Accuracy (electrical output)</b>	1% of reading
<b>Operating Range</b>	Ambient Temperature: 0° to 50°C (32° to 122°F) Humidity: 0% to 70% non-condensing

Specifications are subject to change without notice.  
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 VCR® is a registered trademark of Swagelok Co., Solon OH.  
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## Ordering Information

	model number example	872B	12P	ME	2	M	T	1
<b>Model Type</b>								
Type 870 Single-ended Micro-Baratron	870B							
Type 872 Flow-through Micro-Baratron	872B							
<b>Pressure Range Full Scale</b>								
1000 Torr	13T							
100 PSIA	12P							
250 PSIA	RDP							
<b>Fittings</b>								
<u>Type 870 only:</u>								
4 VCR Male, Rotatable	CB							
4 VCR Female	CD							
<u>Type 872 only:</u>								
1-1/2" c-seal surface mount	MA							
1-1/2" w-seal surface mount	MC							
1-1/8" c-seal surface mount	MD							
K1H High-Flow surface mount	ME							
1-1/8" w-seal surface mount	MF							
(Consult factory for additional process fittings)								
<b>Input / Output</b>								
+13 to +32 VDC/0 - 10 VDC	2							
+13 to +32 VDC/0 - 5 VDC	3							
<b>Accuracy</b>								
1% of Reading	G							
1% of Full Scale	M							
<b>Connector</b>								
<b>LDM-C Integrated Display</b>	<b>T</b>							
<b>Environment</b>								
Indoor Use	1							