

# BAROCEL 7025 CAPACITANCE DIAPHRAGM GAUGE

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The Barocel 7025 capacitance diaphragm gauge is the benchmark for capacitive gauging in harsh environments, giving you piece of mind to focus on fine tuning your processes.

The corrosion resistant ceramic sensor (with total alumina coating) gives you piece of mind that even after extended pressure cycling you will still have a stable and repeatable pressure measurement. This reliability is further extended by the integrated protection filter and shielding. The advanced electronics offer high speed control with simple integration into your system, and combined with the dual set point and easy zero process, the ability to control your system is now even greater.



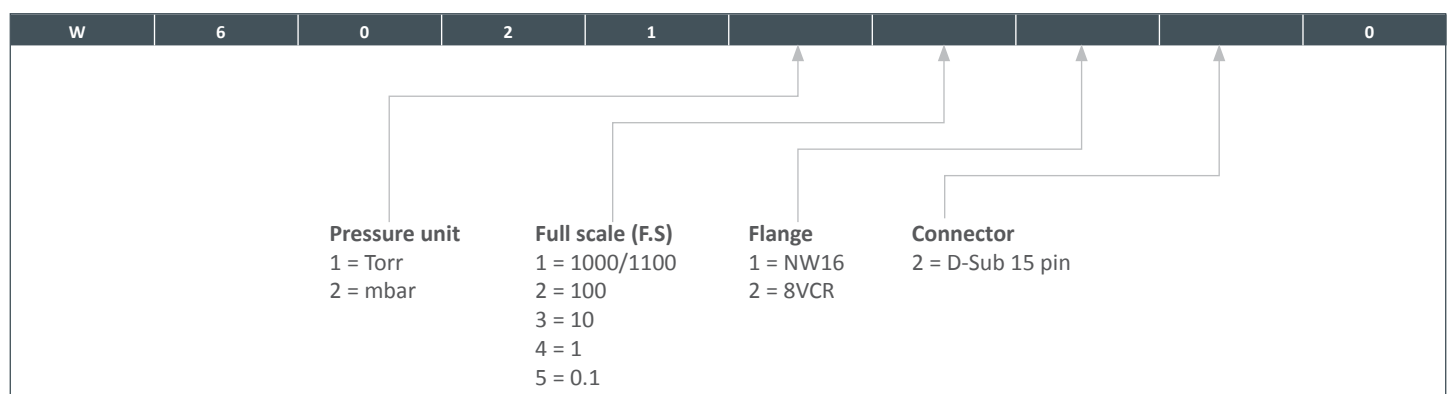
## Features and benefits

- 0.1 to 1000 torr variants
- Fast reaction time
- Corrosion resistant sensor
- Zero maintenance
- Fantastic zero and full scale stability
- Temperature compensate

## Typical applications

- Load Lock , PVD, CVD, etch
- Puller, ovens
- Oxidation
- Industrial
- Sterilization
- Analytical
- Quality control, reference vacuum

## Barocel 7025 selection tree



## Technical data

Performance	7025			
FS options	1000(1100)	100/10	1	0.1
Accuracy (% of Reading)	0.2	0.2	0.2	0.5
Temperature effect				
On zero (percentage FS/°C)	0.005	0.005	0.015	0.02
On span (% of reading/°C)	0.01	0.01	0.01	0.03
Resolution (percent FS)	0.003	0.003	0.003	0.003
Lowest reading (percent FS)	0.05	0.05	0.05	0.05
Admissible temps				
Ambient(°C)	+5 to + 50	+5 to + 50	+5 to + 50	+5 to + 50
Bakeout (at flange) (°C)	<110	<110	<110	<110
Storage (°C)	-40 to +65	-40 to +65	-40 to +65	-40 to +65
Pressure max (kPa) absolute	400	260	260	130
Supply voltage V (dc)	+14 to +30	+14 to +30	+14 to +30	+14 to +30
Power consumption (W)	<1	<1	<1	<1
Output signal V (dc)	0 to +10	0 to +10	0 to +10	0 to +10
Response time (ms)	30	30	30	30
IP rating	30	30	30	30
Dimensions (NW16 & D-sub 15pin)	55x55x113	55x55x113	55x55x113	55x55x113
Materials exposed to vacuum	Aluminium oxide ceramic (Al2O3), stainless steel (AISI 316L)			
Set points				
Number of	2	2	2	2
Relay contact (V (dc))	30	30	30	30
Hysteresis (percent F.S)	1	1	1	1

## Ordering information

Accessory	Order number
TIC instrument controller 6 head capman	D39702000
TIC adaptor cable for Barocel	D40003050

Connection cable options	Order number
0.5 m	D40001005
1 m	D40001010
3 m	D40001030
5 m	D40001050
10 m	D40001100
15 m	D40001150
25 m	D40001250
50 m	D40001500

## GLOBAL CONTACTS

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