

CGL15A Low Differential Pressure Transmitter

- IP65
- Easy to Install
- Long-term Stability
- Unidirectional and Bidirectional Ranges



HVAC

Filter Monitoring

Air Flow Measurement

Clean Room / Isolation Room

Data Sheet

CGL15A Low Differential Pressure Transmitter

PERFORMANCE SPECIFICATIONS

Accuracy:	±1.0% F.S.(includes non-linearity, hysteresis, non-repeatability, zero offset and span setting errors)
Stability:	≤ ±0.50% F.S./Year
Response Time:	300ms (0-5V/10V), 500ms (4~20mA)

ENVIRONMENTAL SPECIFICATIONS

Thermal Coefficient:	±0.18% Range/°C
Storage Temperature:	-40°C~70°C
Operating Temperature:	-20°C~70°C

ELECTRICAL SPECIFICATIONS

Zero Setting:	Push button zero adjustment
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OUTPUT SIGNAL

Voltage Output:	0/5Vdc, 0/10Vdc (3-wire)
Current Output:	4/20mA (2-wire)

CONNECTIONS & IP RATING

Process Connection:	Barbed Connector Ø4.0mm
Electrical Connection:	Cable Connector PG7
Ingress Protection:	IP65

WETTED MATERIALS

Media:	Clean, dry air/gases compatible with Titanium, PBT, Buna, Glass, Gold, Silicone Rubber, Silicon and Silicone RTV
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NON-WETTED MATERIALS

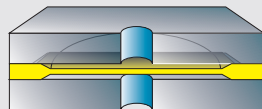
Housing:	Fire-retardant ABS (Meets UL 94-5VA)
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Ashcroft® Si-Glas™ Sensor Technology

Featuring a highly reliable variable capacitance sensor using the patented Ashcroft® Si-Glas™ sensor. This ultra-thin single crystal diaphragm provides inherent sensor repeatability and stability.

Sensor Cross Section

The silicon diaphragm sensor has no glues or other organics to contribute to drift or mechanical degradation over time.



What Does It Mean?

Ashcroft's TruAccuracy™ specification is exclusively based on terminal point methodology instead of statistically derived schemes like 'best fit straight line'. Zero and span setting errors are already included in the accuracy spec.

CGL15A Low Differential Pressure Transmitter

ORDERING CODE		CGL15A	1	42	PG7	50PA
Model						
CGL15A	LDP Transmitter	CGL15A				
Accuracy						
1	±1.0% F.S.		1			
Output						
42	4-20mA (2-wire)			42		
05	0-5V (3-wire)					
10	0-10V (3-wire)					
Electrical Connection						
PG7	Cable Connector (Standard)				PG7	
Range						
50PA	0-50Pa					50PA
60PA	0-60Pa					
100PA	0-100Pa					
250PA	0-250Pa					
500PA	0-500Pa					
1KPA	0-1KPa					
1.6KPA	0-1.6KPa					
2.5KPA	0-2.5KPa					
5KPA	0-5KPa					
10KPA	0-10KPa					
50PAL	±50Pa					
60PAL	±60Pa					
100PAL	±100Pa					
250PAL	±250Pa					
500PAL	±500Pa					
1KPAL	±1KPa					
1.6KPAL	±1.6KPa					
2.5KPAL	±2.5KPa					
5KPAL	±5KPa					
10KPAL	±10KPa					

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General Dimension (mm)

