

CGL15D Low Differential Pressure Transmitter

- IP65
- LCD Display
- Easy to Install
- Long-term Stability
- Panel Mounting Available
- Unidirectional and Bidirectional Ranges



HVAC

Filter Monitoring

Air Flow Measurement

Clean Room / Isolation Room

Data Sheet

CGL15D 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

LCD Display:	4 - digit display
LCD Size:	52*27mm
Zero Setting:	Push button zero adjustment

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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MOUNTING BRACKET

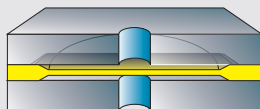
Panel Mounting Bracket Optional	304 SS
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Ashcroft® Si-Glas™ Sensor Technology

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.

CGL15D Low Differential Pressure Transmitter

ORDERING CODE	CGL15D	0	1	42	PG7	50PA
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Model

CGL15D	LDP Transmitter	CGL15D
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Mounting

0	Direct Mount	0
F	Panel Mounting, 304 SS Panel	

Accuracy

1	±1.0% F.S.	1
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Output

42	4-20mA (2-wire)	42
05	0-5V (3-wire)	
10	0-10V (3-wire)	

Electrical Connection

PG7	Cable Connector (Standard)	PG7
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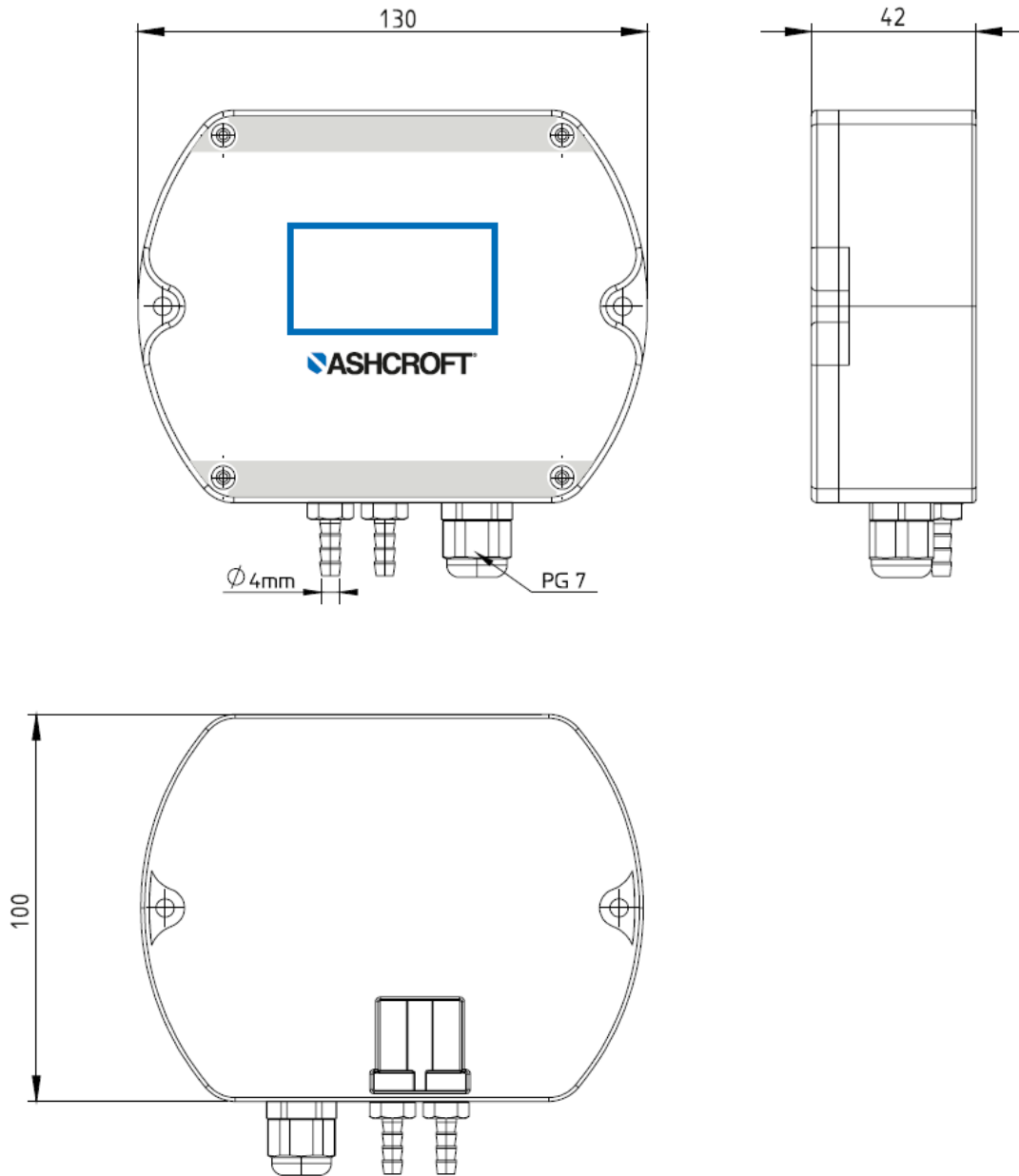
Range

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	

Data Sheet

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General Dimension (mm)



CGL15D Low Differential Pressure Transmitter

General Dimension (mm)

Panel Mounting

