

Transducers & Transmitters

MODEL GC31 ULTRA-COMPACT DIGITAL PRESSURE SENSOR



ACCURACY: $\pm 1.0\%$ FS
ANALOG OUTPUT: (1-5Vdc)
DISPLAY TYPE: 3½ digit, 10mm LED
STANDARD RANGES (Gauge):
 50 to 1500 psig
STANDARD RANGES (Compound):
 -15 to 15 psig thru -15 to 300 psig
Proof Pressure:
 2X range: 500 psi & below
 1.5X range: 1000 psi & above
Burst Pressure:
 10X range
SWITCH CONTACTS:
 (2) NPN or PNP open collector outputs
MEDIA: Fluids and gases compatible with 304SS (sensor housing) and 17-4 pH SS (sensor diaphragm)
ENVIRONMENTAL RATING: IP40
AGENCY APPROVALS: CE



This ultra-compact pressure sensor is used on a wide variety of applications where consistent, reliable pressure measurement is essential. The GC31 features an integral display, user scalable analog output and two independent switches. Ideal for monitoring and control of pneumatic and hydraulic systems where high cycle life and functionality is required.

MODEL GC35 ULTRA-COMPACT DIGITAL PRESSURE SENSOR



ACCURACY: $\pm 1.0\%$ FS
ANALOG OUTPUT: (4-20mA)
DISPLAY TYPE: 4 digit, 8mm LED
STANDARD RANGES (Gauge):
 50 to 7500 psig
STANDARD RANGES (Compound):
 -15 to 75 psig thru -15 to 300 psig
Proof Pressure:
 Ranges 1500 psig & below: 4X range
 Ranges 3000 psig & above: 2.5X range
Burst Pressure:
 Ranges 1500 psi & below: 10X range
 Ranges 3000 psi & below: 5X range
 Ranges 5000 psi & above: 3X range
SWITCH CONTACTS:
 (2) NPN or PNP open collector outputs
MEDIA: Fluids and gases compatible with 304SS (sensor housing) and 17-4 pH SS (sensor diaphragm)
ENVIRONMENTAL RATING: IP40
AGENCY APPROVALS: CE



Ultra-compact digital pressure sensor, ideal for monitoring pressures within hydraulic presses/stamping equipment and lifts, water/wastewater pressure control and cooling / lubrication systems. This versatile sensor offers a highly visible LED display for local indication. Product features allow the user to configure the analog scaling to any range within the full scale of the sensor range while integrated switches offer actuation and deadband to any points within the full scale range.

TYPE GC51 RANGEABLE PRESSURE TRANSMITTER



ACCURACY: $\pm 0.25\%$ FS (URL)0
ANALOG OUTPUT: 4-20mA (2-wire)
DISPLAY TYPE: 4 digit, 10mm LCD with LED backlight
STANDARD RANGES (Compound):
 -15 to 15psi thru -15 to 50psi
STANDARD RANGES (Gauge):
 50 to 7500 psig
Overpressure (F.S.):

	Proof	Burst
1500psi and below	200%	500%
3000, 5000psi	150%	300%
7500psi	120%	150%

ENVIRONMENTAL RATING:
 IP65 / NEMA 4X
MEDIA: Fluids and gases compatible with 316SS and pH17-4 stainless steel
AGENCY APPROVALS: CE



Compact pressure transmitter used to monitor wet/dry media pressures within process automation, hydraulic systems, compressors, pumps and tank level applications.

TYPE GC55 WET/WET DIFFERENTIAL PRESSURE TRANSDUCER



ACCURACY: $\pm 0.5\%$ FS
ANALOG OUTPUT: (4-20mA or 1-5Vdc)
DISPLAY TYPE: 3½ digits
STANDARD RANGES (Differential):
 75 to 300 psid
Pressure Range Proof Burst
 All 2X FS (URL) 10X FS (URL)
Static (Line) Pressure Effects: None
Single Side (Differential Limits):
Pressure Range Proof Burst
 All 2X FS (URL) 10X FS (URL)
MEDIA: Fluids and gases compatible with 304SS (sensor housing) and 17-4 pH SS (sensor diaphragm)
ENVIRONMENTAL RATING: IP66

Compact high-differential pressure transducer for filter monitoring on HVAC hydronic cooling/heating systems and pump controls. Model contains two polysilicon thin film sensors with welded Stainless Steel wetted components to accommodate wet or dry pressure media. The product features a bright LED front panel display for local indication and button to allow the user to select between the dP value and line pressure readings from either sensor.

Transducers & Transmitters

A2 HEAVY INDUSTRIAL AND EXPLOSION PROOF TRANSMITTERS



ACCURACY: ± 0.25 , ± 0.5 , $\pm 1.0\%$ span

OUTPUT: 4-20mA, 0-5Vdc, 0-10Vdc, 1-5Vdc, 1-6Vdc, 0.5-4.5Vdc (ratiometric)

STANDARD RANGES:
15 to 7500 psi absolute, 5 to 10,000 psig, compound to 100 psig
Overpressure: (Varies w/pressure range)
Proof: up to 2 x F.S.
Burst: up to 4 x F.S.

ENVIRONMENTAL RATING:
IP65, IP67, NEMA 4X, 6, 7, 9

AGENCY APPROVALS: CE



A highly configurable transmitter designed for hazardous location and heavy industrial applications. High performance accuracy and thermal capability over $-40/125^{\circ}\text{C}$ ($-40/257^{\circ}\text{F}$) with additional option of zero and span pots.

A2X EXPLOSION/FLAME PROOF PRESSURE TRANSMITTER



ACCURACY: ± 0.25 , ± 0.5 , $\pm 1.0\%$ span

OUTPUT: 4-20mA, 0-5Vdc, 0-10Vdc, 1-5Vdc, 1-6Vdc, 0.5-4.5Vdc (ratiometric)

STANDARD RANGES (psig):
0-5 psi through 0-10,000 psig

ENVIRONMENTAL RATING:
Ingress Protection Rating: IP65; NEMA 7, 9

AGENCY APPROVALS:
Explosion Proof – cUL (USL/CNL):
Flame Proof – ATEX:
Intrinsically Safe – FM (4-20mA)
– CE

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The A2X is ideal for a broad spectrum of pressure sensing applications where explosion/flameproof hazardous location ratings are required. The A2X pressure transmitter offers all 316L SS wetted materials and features excellent accuracy and stability for reliable measurements over the life of the instrument.

A4 INTRINSICALLY SAFE & NON-INCENDIVE PRESSURE TRANSMITTER



ACCURACY: ± 0.25 , ± 0.5 , $\pm 1.0\%$ span

OUTPUT: 4-20mA

STANDARD RANGES:
15 to 7500 psi absolute, 5 to 10,000 psig, compound to 100 psig
Overpressure: (Varies w/pressure range)
Proof: up to 2 x F.S.
Burst: up to 4 x F.S.

ENVIRONMENTAL RATING:
Basic IP65, NEMA 4X
All Welded* IP67, NEMA 6
*(w/o Z/S)

AGENCY APPROVALS: CE
Non-Incendive – FM/CSA:

LOOK FOR THESE MARKS ON OUR PRODUCTS



The A4 pressure transmitter is ideal for a broad spectrum of pressure sensing requirements where Intrinsically Safe or Non-Incendive hazardous location ratings are required. Designed / manufactured to provide the user with accurate, reliable, and stable output data using an on-board microprocessor programmed during a unique digital compensation process; providing a product that supplies extremely linear and precise performance.

T2 HIGH PERFORMANCE PRESSURE TRANSDUCER



ACCURACY: $\pm 0.25\%$ of Span

OUTPUT: 4-20mA, 0-5Vdc, 0-10Vdc, 1-5Vdc, 1-6Vdc, 0.5-4.5Vdc (ratiometric)

STANDARD RANGES:
Pressure Ranges (F.S.): 30 to 20,000 psig, compound to 300 psig
Overpressure: (Varies w/pressure range)
Proof: up to 3 x F.S.
Burst: up to 10 x F.S.

ENVIRONMENTAL RATING:
NEMA 4X, IP65

AGENCY APPROVALS: CE



A robust pressure transducer designed for industrial applications featuring Ashcroft's proven polysilicon thin film pressure sensing element. Product features include voltage and current outputs, a variety of pressure ports and electrical terminations to international standards with excellent accuracy and performance over -40 to 125°C , (-40 to 257°F).

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TYPE G2 OEM PRESSURE TRANSDUCER


ACCURACY:

±1% Span: through -20/85°C (-4/185°F)
±1.5% Span: through -40/-20°C and
(-40/-4°F) and 85/125°C (185/257°F).

OUTPUT: 4-20mA, 0-5Vdc, 0-10Vdc,
1-5Vdc, 1-6Vdc, 0.5-4.5Vdc (ratiometric)

ENVIRONMENTAL RATING:
NEMA 4X, IP65 and IP67

STANDARD RANGES:

Pressure Ranges (F.S.): 30 to 20,000 psig,
compound to 300 psig
Overpressure: (Varies w/pressure range)
Proof: up to 3 x F.S.
Burst: up to 10 x F.S.

AGENCY APPROVALS: CE



A robust pressure transducer designed for OEM applications featuring Ashcroft's proven polysilicon thin film pressure sensing element. Product features include voltage and current outputs, a variety of pressure ports and electrical terminations to international standards with excellent accuracy and performance over -40 to 125°C, (-40 to 257°F).

KM15 HIGH VOLUME OEM PRESSURE TRANSDUCER


ACCURACY:

±0.5% Span, 100 psig and above
±1.0% Span, 75 psig and below

OUTPUT: 1-5Vdc, 1-6Vdc,
0.5-4.5Vdc (ratiometric)

ENVIRONMENTAL RATING: IP67

STANDARD RANGES:

Pressure Ranges (F.S.): 15 to 7500 psig/s,
compound to 300 psig
Overpressure (F.S.): **Proof Burst**
≤ 3000 psig 2 x F.S. 5 x F.S.
5000 psig 1.5 x F.S. 5 x F.S.
7500 tpsig 1.2 x F.S. 5 x F.S.

AGENCY APPROVALS: CE



An economical transducer designed for the high volume OEM. Product features include voltage outputs, a variety of pressure ports and electrical terminations to international standards with excellent accuracy and performance over -30 to 120°C (-25 to 250°F). IP67 ingress rating and 100V/m EMC immunity.

K1/K2 SERIES INDUSTRIAL TRANSDUCER



ACCURACY: ±0.5%, ±1.0% span

OUTPUT:

K1: 4-20mA, 1.5Vdc, 1-6Vdc, 1-11Vdc
K2: 2, 3, 10, 20 mV/V

ENVIRONMENTAL RATING:
NEMA 1, NEMA 4X

STANDARD RANGES:

Pressure Ranges (F.S.): 15 to 20,000 psig,
compound to 60 psig
Overpressure (F.S.): **Proof Burst**
≤ 2000 psig 2 x F.S. 8 x F.S.
3000 to 5000 psig 1.5 x F.S. 3 x F.S.
7500 to 20,000 psig 1.2 x F.S. 1.5 x F.S.

AGENCY APPROVALS:
Intrinsically Safe – FM (consult factory)



A versatile and proven industrial transducer with an extensive installed base. Wide range of pressure fittings and electrical terminations along with FM hazardous area approvals.

K8 SERIES TRANSDUCER w/mV SIGNAL



ACCURACY: ±0.5%, ±1.0% span

OUTPUT: Varies from 6-18 mV/V at F.S.
ratiometric

STANDARD RANGES:

Pressure Ranges (F.S.): 45 to 20,000 psig
Overpressure (F.S.): **Proof Burst**
≤ 2000 psig 2 x F.S. 2 x F.S.
3000 to 5000 psig 1.5 x F.S. 3 x F.S.
7500 to 20,000 psig 1.2 x F.S. 1.5 x F.S.

ENVIRONMENTAL RATING: NEMA 4X

A pressure transducer for applications that can incorporate an unconditioned mV/V output and require the proven benefits of the polysilicon thin film pressure sensing element. A broad range of pressure fittings allow the user design flexibility in packaging.