



34D & 54D Electronic Pressure Sensors

34D for Pneumatic and All-Fluid applications, 54D for Pneumatic



Pressure sensing technology is critical when pressure monitoring for plant security, or pressure control for high level functionality are needed in an application.

Pressure switches can be used to automatically monitor pressure levels in a pneumatic system, or be used for more complex monitoring functions in air, water, hydraulic or any All-Fluid applications.

IO-Link enabled sensors makes life easier

- » **Connected** – IO-Link capability allows remote set-up and access to application performance data for improved system monitoring
- » **Simple set-up** – Easy and quick manual set up via 3 buttons or remotely via IO-Link
- » **Easy to use** – Large, highly visible 2 colour programmable 10mm display, with which the switching status can be easily recognized. The LED status indicators are visible from the back.



Industry Focus

Food and Beverage, Packaging, Chemicals and Pharma, Electronics OEM, General OE Manufacturers and End Users, Utilities, Distribution and Logistics, Machine, Panel and Equipment Manufacturers, Automotive and Transportation.

Product Benefits 34D

- » **Easy installation** – Rotatable body for easy alignment of the display during installation
- » **Universal** – Pneumatic and All-Fluid process media in single series with 9 pressure levels from vacuum to 600 bar, making it suitable for all applications
- » **Robust** – Stainless steel (1.4404 / 316L) body with laser-engraved Type Code and IP67 protection, suited for aggressive environmental conditions
- » **Reliable** – The ceramic-captive measuring cell ensures a very high overpressure capability, as in the case of pressure hammer and cavitation (dynamic pressure peaks). The measuring cell is also very well suited for aggressive or abrasive media

Product Benefits 54D

- » **Easy installation** – Using integrated mounting holes or a DIN rail bracket for control cabinets as well as a M8 Connector for more flexibility
- » **Application** – Ideally suited for monitoring general vacuum, compressed air and End of Arm Tooling applications
- » **Robust** – PBT engineering polymer housing is mechanically strong and heat resistant
- » **Reliable** – Resistant to moisture, and high IP65 ingress protection as standard

Series	Medium	Protection class
34D	Neutral and Aggressive, Gaseous and Liquid Fluids	IP67 (with moulded Plug)
54D	Compressed air (filtered/lubricated/non-lubricated)	IP65 0 °C to 70 °C

Selection of Standard Part Numbers

Norgren part number	Port size	Pressure range	Overpressure	Output signal
34D-P016G-DA1-AA	G1/4"	0 - 16 bar	85 bar	1 x PNP (option IO-Link configurable)/1 x analogue
34D-P016G-DD1-AA	G1/4"	1 - 16 bar	85 bar	1 x PNP (option IO-Link configurable)
34D-P040G-DA1-AA	G1/4"	0 - 40 bar	200 bar	1 x PNP (option IO-Link configurable)/1 x analogue
34D-P100G-DA1-AA	G1/4"	0 - 100 bar	300 bar	1 x PNP (option I/O link configurable)/1 x analogue
34D-P160G-DA1-AA	G1/4"	0 - 160 bar	350 bar	1 x PNP (option I/O link configurable)/1 x analogue
34D-P250G-DA1-AA	G1/4"	0 - 250 bar	500 bar	1 x PNP (option I/O link configurable)/1 x analogue
34D-P400G-DA1-AA	G1/4"	0 - 400 bar	800 bar	1 x PNP (option I/O link configurable)/1 x analogue
54D-P016G-DA1-AA	G1/8"	0 - 16 bar	20 bar	1 x PNP (option I/O link configurable)/1 x analogue
54D-V101G-DA1-AA	G1/8"	-1 bar - 1 bar	20 bar	1 x PNP (option I/O link configurable)/1 x analogue
54D-V110G-DA1-AA	G1/8"	-1 bar - 10 bar	20 bar	1 x PNP (option I/O link configurable)/1 x analogue