

## | PRESSURE SENSORS

Cynergy3's pressure sensors are used to measure the pressure of liquids and gases, and transmit this in a variety of signal types.

We offer an extensive range of products, with many customisable options leading to thousands of potential configurations to choose from. We can also offer fully custom solutions when necessary.

We currently supply pressure sensors for fixed and portable systems to a wide range of industries. A small example of applications they are used in are, water supply pressure monitoring, leak detection, paint spraying, injection moulding, medical sterilisers, and even sub-sea applications such as underwater ROV's and military submarines.

### Our Portfolio:

- A broad range of ceramic and silicon pressure sensors
- Fully customisable with options for pressure range, electrical output, pressure port, physical housing and seals (even at low volumes)
- ATEX, WRAS and NSF approved
- Quick sample availability and short lead times on production and delivery
- Designed and manufactured to the highest standards for reliable accuracy and durability
- Ideal for industrial, marine, autosport and scientific sectors

### TYPICAL APPLICATIONS

- Water pressure logging
- Fire hydrant monitoring
- Industrial paint sprayers
- Injection moulding
- Medical steriliser/autoclaves
- Underwater ROV

### HYDROSTATIC LEVEL TRANSMITTER



Hydrostatic Level Sensors provide a continuous electronic output signal in proportion to the depth of the fluid they are in, which allows you to accurately determine the exact level of a liquid

### PRESSURE TRANSMITTER



Cynergy3 pressure sensors measure the pressure of a liquid or gas and provide the reading in a variety of electronic output signals.

They are available with many configurable options to suit your Industrial application.

## KEY PRODUCTS

### Medium / High Range Pressure Transmitters IPS / U

- Piezo-resistive thick film ceramic pressure sensor
- Stainless steel body
- Accuracy  $\leq \pm 0.25\%$  FS BFSL
- Various outputs including mV, Volts and mA
- Pressure ranges from -1 to 400 bar
- Many pressure ranges scaled in psi or bar
- NPT or BSP Thread
- Intrinsically Safe version available



### Low Range Pressure Transmitters IPSL / U

- Piezo-resistive pressure sensor
- Stainless steel body & diaphragm
- Various outputs including Volts and mA.
- Pressure ranges from 50 mbar to 1000 mbar
- Gauge or Absolute pressure reference
- Accuracy  $\leq \pm 0.25\%$  FS BFSL
- NPT or BSP Thread
- Intrinsically Safe version available



### Semi Flush Pressure Transmitters IPSS

- Pressure ranges from 100mbar to 100bar
- Suitable for viscous or paste-like media
- Various outputs including Volts and mA
- Piezo-resistive sensor, Ceramic or Silicon
- Accuracy  $\leq \pm 0.25\%$  FS BFSL
- Pressure reference - Gauge or Absolute
- Intrinsically Safe version available



### Submersible Hydrostatic Level Transmitters ILS / U

- ILS 0-1mWG to 0-100mWG
- ILSU 0-48"WG to 0-3600"WG
- Accuracy:  $< 0.1\%$  FS BFSL
- Various cable lengths
- Stainless steel, piezo-resistive pressure sensor



### Screw In Hydrostatic Level Transmitters ILSE / U

- Level ranges from 1mWG to 10 mWG
- Various outputs including Volts and mA.
- Accuracy  $\leq \pm 0.25\%$  FS BFSL
- Various outputs including Volts and mA.
- 1/4" BSP male process connection
- NPT or BSP Thread



### Pressure Transmitter IMP

- All pressure datums available, Gauge, Sealed Gauge and Absolute
- Wide variety of electrical outputs, mA, mV/V and Volt
- Pressure range of 0.5 to 700 Bar
- Multiple process connection threads available BSP, NPT and more
- Vast array of o-ring elastomers
- Sizeable selection of electrical connections

