

# Product Range

## Pressure Transducers & Transmitters

- **HISPEC**  
High specification transducers
- **GENSPEC**  
General purpose transducers & transmitters  
low cost OEM & ex-stock standard products  
USB - Digital Pressure Transducers
- **PROTRAN**  
Standard transmitters  
DP transmitters  
Depth & Level  
Barrier seals  
Industrial transmitters  
Oil & Gas transmitters  
Subsea transmitters
- **DEFTRAN**  
Military specification transducers & transmitters
- **PANEL METERS**  
Plug-on-display  
Meters & alarms
- **ACCESSORIES**  
Valves  
Connectors  
Cable  
Pressure limiting valves  
Adaptors & fittings



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ellison sensors

PRODUCT  
SHORTFORM

PRESSURE TRANSDUCERS  
AND TRANSMITTERS

# ellison sensors

ellison sensors has over the past 25 years grown into a market leader in the area of pressure measurement.

The company designs and manufactures pressure transducers and transmitters for the aerospace, defence, oil & gas, medical, automotive, process and general industrial markets.

Early success was founded on designing transducers for exacting aerospace and military applications. More recent success is largely due to the quality and performance of its silicon-on-sapphire pressure sensing technology and its ability to operate at extreme temperatures reducing the need for compensation, outstripping the performance of conventional silicon pressure sensors.

ellison sensors wide range of pressure transmitters and transducers incorporate the superior silicon-on-sapphire pressure sensing technology, together with the latest digital signal processing, making this one of the most advanced product ranges available in the market today.

Pressure ranges are available from 0-25Pa up to 0-3000bar (0.1" WG to 43,500psi), with signal outputs in analogue mVdc, 0-5Vdc, 0-10Vdc and in a wide range of digital formats including USB protocol.

Many pressure transmitters are available ATEX certified.



**HI2200** Pressure Transmitters designed for high temperature applications. Silicon-on-Sapphire Sensor Technology. Outstanding long term stability. High operating temperature, up to 200°C

Pressure Ranges  
0-500mbar to 0-1500bar  
(0-10psi to 0-22,500psi)

HISPEC - HIGH TEMPERATURE PRESSURE TRANSMITTER



**HI2000 Series** High Specification Pressure Transducers with Silicon-on-Sapphire Sensor Technology. Excellent thermal performance and long term stability. Outstanding overall accuracy. 100mVdc, 5Vdc, 10Vdc outputs.

**Ex** ATEX approved models  
Pressure Ranges  
0-500mbar to 0-1500bar  
(0-10psi to 0-22,500psi)

HISPEC - HIGH SPECIFICATION TRANSDUCERS



**GS4200** Standard & OEM Pressure Transducers and Transmitters for highly reliable general purpose use. Silicon-on-Sapphire Sensor Technology. Excellent stability and repeatability.

**Ex** ATEX approved models  
Pressure Ranges  
0-500mbar to 0-1500bar  
(0-10psi to 0-22,500psi)

GENSPEC - SILICON-ON-SAPPHIRE TRANSDUCERS & TRANSMITTERS



**LP1000** Low Pressure Transducers & Transmitters. High stability & performance. Ranges from 0-50mbar. For use on liquids or gases. Wide operating temperature. High proof pressure.

Pressure Ranges  
0-50mbar to 0-1000mbar  
(0-1 to 0-15psi)

LOPRESS - LOW PRESSURE TRANSDUCERS & TRANSMITTERS



**HP1000** High Pressure Transducers & Transmitters. Ranges to 3000bar. Silicon-on-Sapphire Sensor Technology. Outstanding accuracy. High temperature operation. Industry standard AE F250-C high pressure fitting.

**Ex** ATEX approved models  
Pressure Ranges  
0-400bar to 0-3000bar  
(0-6000psi to 0-43,500psi)

HIPRESS - HIGH PRESSURE TRANSDUCERS & TRANSMITTERS



**PM1000 Series** Plug-On-Display Universal 4 digit LED plug-on-display for any transducers with 4-20mA, 2 wire output & DIN43650 connector. Powered by the current loop of the transmitter, no external power required.

**PM1001** also features a single set-point available for alarm activation or control.

PLUG-ON-DISPLAY - FOR DIN 43650 CONNECTORS



ADHT25 - COOLING COIL ADAPTOR

**ADHT25** Cooling Coil Adaptor. Primarily designed for use with steam. Effectively reduces the temperature of the media before contact with transducer, helping prevent damage to sensors. Available with 1/4" and 1/2" BSP male connection. For use with media up to 200°C.



PROTRAN - CONTROL VALVE PRESSURE TRANSMITTER

**PR3913** Subsea Control Valve Pressure Transmitter. Designed for subsea use. All welded construction. Pressure containment 1500bar. Silicon-on-Sapphire Sensor Technology. High reliability and stability. NACE compatible.

**Ex** ATEX approved models  
Pressure Ranges  
0-70bar sg to 0-1500bar sg



GENSPEC-USB - USB POWERED DIGITAL TRANSDUCER

**GS4200-USB** Digital Pressure Transducer. Powered by the USB port, output displayed and stored on PC via ESI-USB software provided. 16 inputs. Auto detection & configuration. Silicon-on-Sapphire Sensor Technology. Outstanding performance and accuracy.

Pressure Ranges  
0-500mbar to 0-3000bar  
(0-10psi to 0-43,500psi)



PROTRAN - PROCESS & INDUSTRIAL TRANSMITTERS

**PR9000** Process & Industrial Pressure Transmitters. Wide range of models available. Highly reliable robust transmitters for general purpose process use. All stainless steel housings. 4-20mA output as standard. Zero & span adjustment on-site.

**Ex** ATEX approved models  
Pressure Ranges  
0-500mbar to 0-1500bar  
(0-10psi to 0-22,500psi)



PROTRAN - DIFFERENTIAL PRESSURE TRANSMITTERS

**PR3200** Differential Pressure Transmitters. Highly stable DP transmitters for use on liquids or gases. Uni & bi-directional operation. Various models available from 0-25Pa DP to 0-400bar. Zero & span adjustment on-site.

**Ex** ATEX approved models  
Pressure Ranges  
0-25Pa DP to 0-400bar DP  
(0-0,1"mWG to 0-6000psi)



PROTRAN - SUBMERSIBLE DEPTH / LEVEL TRANSMITTERS

**PR3440** Submersible Depth / Level Transmitters. For the accurate measurement of depth and level in liquids. Sizes 17mm, 25mm & 40mm diameters. Polyurethane vented cable 4-20mA 2 wire output.

**Ex** ATEX approved models  
Pressure Ranges  
0-1mtr WG to 0-500mtr WG  
(0-3ft mWG to 0-1500ft mWG)



PROTRAN - HYGENIC / BARRIER SEAL TRANSMITTERS

**PR3800** Hygienic/Barrier Seal Pressure Transmitters with integrated or remote seals to isolate the pressure media from the transmitter. Hygienic models for food applications. Corrosion resistant pressure fittings. Zero & span adjustment on-site.

**Ex** ATEX approved models  
Pressure Ranges  
0-200mbar to 0-1500bar  
(0-3psi to 0-22,500psi)



DEFTRAN - DEENSE & AEROSPACE

**DF Series** Aerospace & Automotive Pressure Transducers & Transmitters. Designed and manufactured to conform to Military & Aerospace specifications. QPL approved models. ISO9001-2000 approved quality systems. Many NSN's available.

Pressure Ranges  
0-25Pa to 0-3000bar  
(0-0,1" WG to 0-43,500psi)