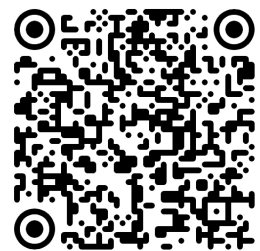


# DIGITAL

## PRESSURE MEASUREMENT



**ESI TECHNOLOGY LTD**

Pressure Measurement Specialists

t: +44 (0)1978 262255 | e: sales@esi-tec.com | w: www.esi-tec.com

esi-tec.com

esi

## THE GD4200-USB PRESSURE TRANSMITTER

The GD4200-USB pressure transmitter is a compact, high-performance digital device designed for direct USB connection to a PC, offering precise pressure measurement from vacuum up to 5,000 bar. It is available with a range of process connections, including 1/4" BSP, 1/4" NPT and high-pressure autoclave fittings, ensuring broad application compatibility. At its core is ESI's robust Silicon-on-Sapphire (SOS) pressure sensor, delivering excellent accuracy, stability and durability in demanding environments, while a hydrogen-compatible version with titanium wetted parts is also available for safe operation in hydrogen applications.



### GD4200-USB

- High accuracy and performance
- Silicon-on-Sapphire sensor
- Pressure ranges to 5,000 bar
- Specialist titanium alloy sensor
- Excellent chemical compatibility
- High thermal stability



### GD4200HUSB

- High accuracy and performance
- Silicon-on-Sapphire sensor
- Pressure ranges to 5,000 bar
- Specialist titanium alloy sensor
- Excellent chemical compatibility
- High thermal stability
- Hydrogen compatible to ISO 11114-4:2017

esiUSB

### ESI-USB<sup>®</sup> SOFTWARE

The ESI-USB<sup>®</sup> Software is a powerful yet user-friendly interface designed to connect ESI digital pressure transducers directly to a PC or laptop, enabling rapid setup and real-time pressure monitoring within minutes.

It offers a range of advanced features, including high-speed data acquisition with adjustable sample rates, real-time graphical and tabular data display, and the ability to measure and record up to 16 pressure inputs simultaneously. The software also supports data logging, export to Excel or PDF, and the creation of customised test certificates, making it ideal for testing and calibration applications.

Additional functionality such as configurable alarms, leak testing, sensor identification, and automatic data recovery ensures reliable operation even in demanding environments. With auto-detection, plug-and-play connectivity, and automatic software updates, the ESI-USB<sup>®</sup> Software provides a flexible and efficient solution for pressure measurement and analysis.



### ESI-USB-PLUS

The ESI-USB-PLUS is a versatile interface box that converts analogue signals into digital data, enabling standard 4–20 mA or 0–10 V transmitters to be used seamlessly with the ESI-USB<sup>®</sup> Software. It also supports connection of a PT100 temperature sensor, offering combined pressure and temperature monitoring via a simple USB connection.

