Druck
a Baker Hughes business

ep MISURA & AUTOMAZIONE

Test & Calibration in Motorsport

Accuracy

For over 50 years, Druck have been trusted by customers in some of the world's most challenging environments.

Reliability

Regardless of your motorsport application, Druck's portables continue to provide reliable and trusted measurements year after year.

Quality

By controlling the full manufacturing process from silicon to delivering the final product, you can be sure of the quality of your Druck unit.

A heritage of excellence

Built on a strong history of providing pressure sensors, test and calibration equipment to customers in more than 70 countries, Druck specialises in delivering world-class expertise, excellence and reliability in the toughest environments.

We know that success in motorsport depends on hundreds of components working together, under the stress and challenge of extreme conditions. Each component needs to be rigerously, and accurately, tested to ensure measurements are within specification. With an array of high performance pressure calibrators and handheld indicators for in-house or track side testing and diagnostic use, it is time to consider Druck as your partner in motorsport.

Proven in motorsport

Whilst we have a strong history in supplying test & calibration equipment into a plethora of challenging industries including aerospace, energy and industrial, Druck has a range of high performance motorsport sensors in use across the motorsport industry.

Leading motorsport teams worldwide have used Druck equipment for many years due to the performance and reliability which our products provide.

Druck is able to provide sensors and portables which meet the customer demands of the size, weight and material constraints for applications including fuels, oils and hydraulic system pressures. With a choice of the Pinnacle, the Premium, or the Professional range, Druck motorsport sensors provide race engineers with a high accuracy, higher performance solutions that is trusted worldwide.

Whether on-track or off-road motorsport, pressure measurement is critical in optimising vehicle performance and vehicle safety. This is why Druck applies the same level of product development, endurance testing, and build quality to its motorsport range of portables.

Performance in the toughest environments

At the heart of Druck's portables are pressure sensors manufactured in-house, these sensors determine the level of accuracy and stability of your unit. As one of the few calibration equipment OEMs who manufacture our own sensors, Druck knows that this is the most effective way to deliver instrument accuracy and stability that you need in your motorsport application:

- The DPI705E handheld indicator provides accuracy and reliability combined with a rugged design, a perfect solution for essential test and measurement in motorsport applications. When paired with a tyre pressure hose, the DPI705E becomes a fast and easy to use device for race critical tyre pressure measurement.
- The DPI610E a portable high accuracy handheld pressure calibrator which is ideal for engine testing due to its 0.025% FS accuracy with total 1 year uncertainty. With stable pressure calibration from vacuum up to 1000 bar, on-vehicle test and calibration can be performed with confidence.
- The DPI620 GENii Lite calibrator is the ideal, high accuracy solution for any motorsport application involving measuring, sourcing and stimulating electrical, frequency, temperature and pressure. The GENii is truly the all-in-one test and calibration solution, reducing the need for additional units through its enhanced capabilities.

What sets Druck apart from the competition is the range of products available, from race-critical sensors, to portable test & calibration equipment. In addition to this, Druck has a global service support offering, including: repairs, calibration, and preventative maintenance, to ensure your equipment performs within specification.

Druck equipment	Motorsport application	Key features
DPI705E Multipurpose pressure indicator	Wide range of on-vehicle applications for fast and accurate measurements.	Accuracy to 0.025% FS.
DPI610E Portable pressure calibrator	Test and calibration of on-vehicle pressure sensors.	Fast and dependable pressure generation and measurement.
DPI620 GENii Lite	Single unit for a range of test and measurement applications.	Pressure, temperature and electrical capabilities
PACE Pressure Controllers	Pressure controllers for simultaneous dyno cell calibrations.	Fast and stable pressure control
Temperature calibrators	Testing of thermocouples/RTDS for dyno and vehicle applications.	Temperature range from -55 deg. C to to 700 deg. C

Test & Calibration motorsport range

Druck provides a wide range of automated pressure and temperature calibration solutions for wind tunnel, pitlane testing and dyno cell testing. All our testing equipment can be combined with our 4Sight2 calibration software package, which enables you to accurately calibrate all your sensors and store the data.

Test & calibration equipment

Range of portable test and calibration equipment to perform functions including pressure indications, and engine sensor testing.

Key features of the product range includes:

- **DPI610E** - accuracy and stability up to 1000 bar.
- **DPI620 GENii** - multipurpose calibrator with pressure, temperature, electrical capabilities.
- **DPI705E** - pressure indication with accuracy to 0.025% FS.
- **PV62X** - Pressure generating base stations to be paired with the GENii.

Pressure controllers

High speed, high efficiency pressure control systems ideal for maintaining pressure in test environments:

- **PACE5000** - Single channel pressure controller with precision to 0.001% FS and long term stability up to 0.001% FS.
- **PACE6000** - Dual channel pressure controller chassis that can be used in single, auto-ranging or simultaneous dual pressure control mode.

Calibration management software

Bespoke calibration management software solution to provide full visibility of all sensors.

Features of 4Sight2 include:

- Creation of a comprehensive asset and test equipment database
- Uncertainty calculations
- Drift analysis graph for interval analysis

Need more information?

Click here to contact us, we're happy to help.

Per avere più informazioni
CONTATTACI

EP srl
41124 Modena
Via S. Faustino, 155/P

Tel. +39 059 35 76 00
www.epsas.it
ep.ma@epsas.it

Baker Hughes

Copyright 2023 Baker Hughes Company. All rights reserved.

druck.com