



# 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 rigorously, 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 monitoring.

- The DPI611 a high accuracy handheld pressure calibrator which is ideal for engine testing due to its 0.0185% FS accuracy. With fast acting pressure generation up to 20 bar within 30 seconds, on vehicle test and calibration can be performed with confidence.
- The DPI620 Genii Multifunction 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 Portable	Motorsport application	Key features
DPI705E Handheld indicator	Fast and accurate tyre pressure measurement in handheld device.	Accuracy to 0.05% FS.
DPI611 Pressure calibrator	Portable engine sensor test and calibration.	Fast and dependable pressure generation and measurement.
DPI620 Genii Multifunction calibrator	Single unit for a range of test and measurement applications.	Pressure, temperature, electrical and HART measurement capabilities.
Portable Temperature calibrators	Test and measurement of race critical instrumentation	Portable temperature bath with high accuracy and stability.
Motorsport pressure sensors	High accuracy miniature pressure and temperature measurement.	Pressure range up to 600 bar and operating temperature to 175°C.



## Explore the Druck motorsport range



DPI705E Handheld indicator

Digital pressure and temperature indicator with plug and play sensors:

- 48 pressure ranges from  $\pm 25$  mbar ( $\pm 1.69$  psi) through to 1,400bar (20,000 psi)
- Total 1 year uncertainty up to 0.05% full scale (FS)
- Integral calibration record with calibration due count-down display
- Rugged, handheld design with backlit high-contrast display
- Leak test, tare, max/min and filter
- Optional remote plug and play pressure and RTD temperature sensor



DPI611 Pressure calibrator

Compact high accuracy handheld pressure calibrator with integrated pump:

- Fast acting: generates 0 to 20 bar/300 psi within 30 seconds
- Creates 95% vacuum
- 0.0185% FS accuracy
- Simple and intuitive colour touch screen
- Fast, three-touch launch for any menu application
- Quick-to-fit, no leak adaptor and hose system requires no tools or sealing



DPI620 Genii Multifunction calibrator

Multi-function high-accuracy field calibrator and communicator:

- Calibration capabilities for simultaneous measurement and sourcing pressure, temperature, electrical and frequency signals
- HART/Fieldbus communication options
- Easy, leak free pressure generation options up to 1,000 bar/15,000 psi
- Intuitive touch screen user interface with multiple languages
- Accuracy from 0.006% RDG + 0.005% FS for mA and 0.005% FS for pressure
- Documenting – automated procedures, PASS/FAIL errors, results storage

## Need more information?

Click [here](#) to contact us, we're happy to help.

**Baker Hughes** 