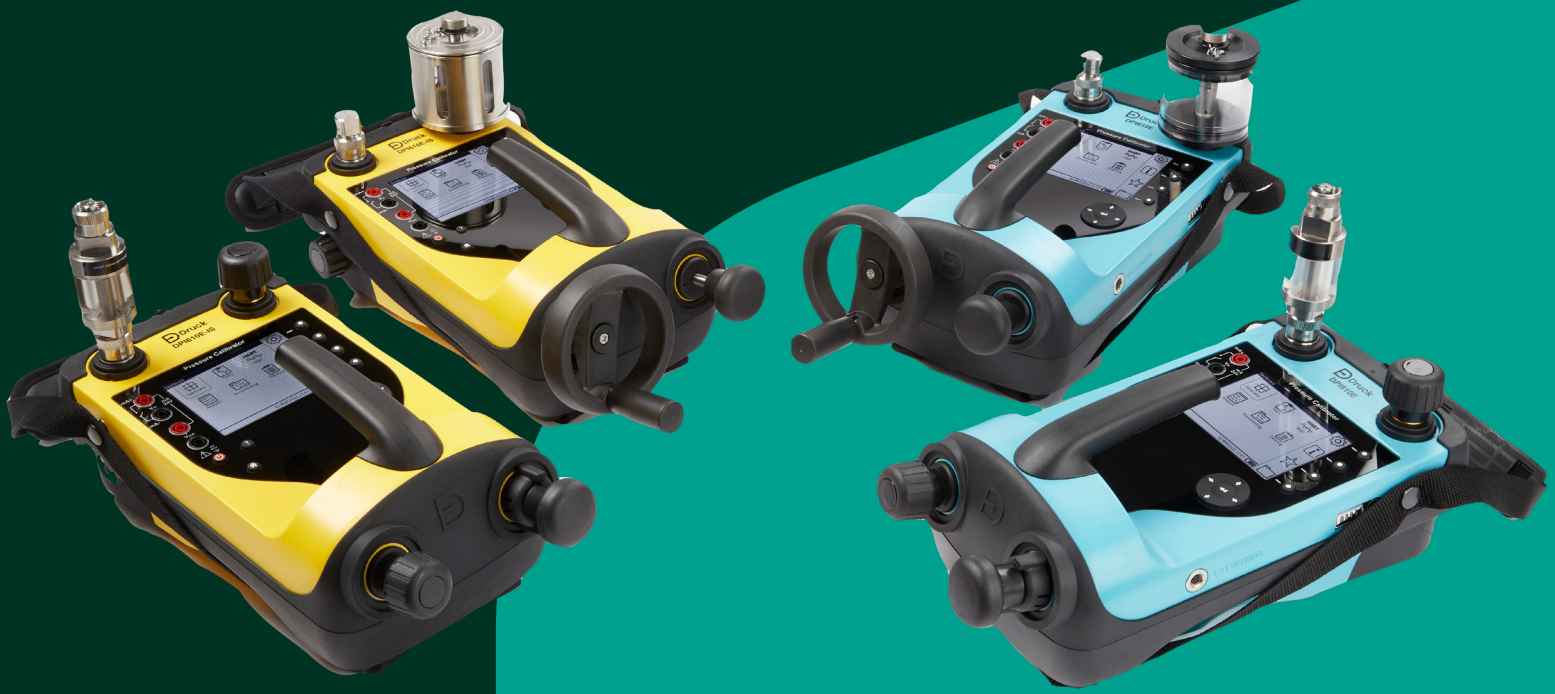
MISURA & AUTOMAZIONE

Druck
a Baker Hughes business

Druck DPI610E

The calibrator that works harder for you.



druck.com

Introduction

The pressure calibrator everyone's been waiting for is here: DPI610E. With all the reliability of the original, the DPI610E takes productivity up a notch – making it the all-in-one portable pressure calibrator you'll want on every jobsite.

DPI610E Designed with input from experts working in the field.

Erik Larsen starts nearly every day the same. The alarm on his phone chimes in a rising crescendo until he reluctantly peels back the eider-down comforter and stabs his thick finger at the off button. It's 4:15 A.M. The facility where he lives and works is located on the edge of the North Sea in the northernmost reaches of Scotland. Here, it is always cold. In fact, cold is an understatement. While there are colder places on earth, the wind and seawater compound the region's lack of hospitality.

The DPI610E has been built on a history of expertise and proven technology.

Shortly after rising, Larsen leaves the dormitory-style worker's accommodations to begin his workday—in the dark. As an instrument technician, he "gears up" for a day of calibrating measuring devices while braving the elements. Thermal gloves, goggles, extreme weather boots, and high visibility coveralls are all waterproof and made for these conditions. Though warm, the apparel robs him of his dexterity and ability to execute fine motor functions—critical faculties for the work he needs to do. Fiddling with valves, connecting pipe, and adjusting meters are all part of his work routine, which is further complicated by poor lighting, confined spaces, and shaky scaffolding.

In truth, Erik Larsen is an alias. But, the persona and the conditions described above are typical of the life and experiences of some instrument technicians. Theirs is a life characterized by extreme conditions. Whether they're working near the North Sea or the Gulf of Mexico, they require tools, particularly pressure calibrators, that work when they need to work.

Pressure Calibrators Must Be Accurate

The function of a pressure calibrator is to verify that instrumentation is functioning correctly. It has to do this accurately and consistently and be durable enough to withstand extreme work environments. Most importantly, however, it has to be easily utilized by the instrumentation technician to calibrate instruments over a wide range of pressures.

Druck's DPI610E is the latest development in pressure calibration.

From the time Eugene Bourdon, a watchmaker, invented an early pressure gauge in 1849, one question has loomed, "How accurate is it?" Ensuring the accuracy of a pressure gauge, or any measuring instrument for that matter is critical to business functions, worker safety, and regulatory compliance. As such, pressure calibrators should be more accurate than the device being calibrated. The devices should also have a form factor and user experience that minimizes the potential for technician-introduced errors.

The DPI610E is available in both commercial and hazardous area versions.

DPI610E the Calibrator Designed for Technicians

When Druck launched the DPI610 series pressure calibrator back in 1997, it was an instant hit. The flagship model of the company's calibrators included seven commercial versions and four intrinsically safe versions. Today, the DPI610E is the latest evolution of the device that was an industry favorite.

The DPI610E is a battery-powered, self-contained manual pressure calibrator capable of pressure generation, fine control, and loop measurement. Most importantly, it was designed for instrument technicians using input from those working in the field. For instance, input from pressure calibrator users indicated that performance was vital. Druck responded with a form factor that includes an integrated handle that makes manual pumping vastly easier and a quick-fit connector that enables attachment to a device without using tools. The company also redesigned the unit's integrated pump, which requires 40% fewer strokes to simulate inline pressure, enabling technicians to reach larger volumes more quickly.

> The DPI610E is an excellent solution for a wide range of industrial applications including: Oil & Gas, Power Generation, Petrochemical,

Druck added other features too that show how deeply they understand the user experience. The user interface (UI) is 100% readable in bright sunlight and low light conditions. The simplified UI features multiple languages, a touch screen usable with gloves, and a snappy processor to keep things moving along nicely.

To drive efficiency into the process chain, Druck incorporated both USB connectivity and optional documenting in the DPI610E. With the ability to create and download procedures and data quickly and easily from the device, paper logs are a thing of the past. In addition, when paired with Druck's Calibration Unified platform, plant managers get an elevated level of insight to proactively do routine maintenance rather than falling victim to unscheduled downtime.

The DPI610E is a self-contained field calibration device that can operate over the 20 bar sweet spot to 35 bar (500 psi / 3.5 MPa) pneumatic pressure, 1000 bar (15000 psi/ 100 MPa) hydraulic pressures and is available in both commercial and intrinsically safe versions.

Features like those found in the DPI610E make the work of the Erik Larsens of the world easier and more productive. Contact your Druck representative today to learn how your instrument technicians can benefit as well.

The DPI610E is an ultra-productive handheld pressure calibrator, built to perform across extreme environments.

Highly accurate and highly reliable

The DPI610E not only delivers highly accurate measurements – it does so for a wide variety of pressure ranges (350mbar / 5 psi / 33 kPa to 1000bar /15000 psi / 100 MPa). That means one device can cover all your calibration needs – reducing both cost of ownership and maintenance.

Easy to use - any time, anywhere

From its intuitive interface to its ergonomic design, the DPI610E delivers an optimal user experience. Physical buttons and a touchscreen mean you can use it with or without gloves. An integrated handle and strap make it easier to carry whether you're on the ground or at heights. And with a built-in hand pump that makes generating pressure effortless, your workday is a lot more productive.

Made to last

Whether you're working in a temperature-controlled plant or on a windy oil rig, the DPI610E and its rugged casing is made to last in the harshest of environments. Its battery lasts more than 24 hours, so you can tackle a shift without having to recharge and its hazardous areas approvals provide you with peace of mind to get the job done safely.

We are a global technology company that designs, develops and manufactures the highest quality, most accurate and reliable customized pressure sensing devices and instruments, software and services.

We leverage innovation, continuous improvement and unprecedented quality, to enable our Customers to successfully operate, produce systems, monitor and/or control mission-critical assets in tough environments across the world's most challenging applications.

We delight customers with tailored solutions that address their challenges; embodying our deep domain knowledge of customers' applications, the most innovative and high performance connected pressure sensing devices, instruments, software and services; produced with the highest standards of safety, quality and delivery.

We are Druck. We provide peace of mind in the toughest environments.

MISURA & AUTOMAZIONE

Per avere più informazioni

EP srl
41124 Modena
Via S. Faustino, 155/P
Tel. +39 059 35 76 00

www.epsas.it
www.ep-ma.it
ep.ma@epsas.it

Copyright 2022 Baker Hughes Company. All rights reserved.

Baker Hughes