

Digital Inflation Solutions | Aviation



Safe | Precise | Accurate

Digital Aircraft Tyre Inflators

XDH



Wall or Surface Mount Inflator

Airtec's digital aircraft tyre inflators cover an extensive range of aviation tyre inflation and maintenance applications. Featuring Airtec's world-wide proven digital inflation technology, all products provide advanced control, are easy to use, and offer a significant improvement in accuracy, precision, reliability and safety from mechanical and hand-held type inflators.

All products are calibrated to ISO/IEC 17025 and are compliant with BS EN 12645 and 86/217/EEC standards.

XDH - Wall/Surface mounted Aircraft Tyre Inflator

- Versatile IP66 die-cast enclosure for both indoor and outdoor applications
- Suitable for wall/surface mounting in a workshop or to a service vehicle/cart
- Well suited for tyre-mounting applications
- Range of supply voltage options to suit local power supply

ATC



Portable Inflator

ATC - Portable Aircraft Tyre Inflator

- Compact, durable and light-weight for carrying around the tarmac
- Compartment below the unit to store up to 7.5m of high-pressure hose
- Integrated long-life 14.4V Li-Ion rechargeable battery system
- Suitable for general, civil and military (base and line maintenance) applications
- Can be readily transported between locations
- Quick, easy connection to an available air system (nitrogen cart/compressor)

ODH - Panel mount Aircraft Tyre Inflator

- Compact module, designed for integration to a service vehicle (nitrogen cart)
- Suitable for fitting inside an enclosure, or to a mounting frame
- Weatherproof front panel
- Supplied with a long-life 14.4V Li-Ion battery system in an IP65 enclosure

ODH



Panel mounted Inflator

Standard Product Features

Digital, high-pressure inflation up to 305 psi / 21 bar / 2100 kPa

Inflation accuracy to within +/- 0.5% full scale

Reading precision of 1 psi / 0.1 bar / 5 kPa

Many safety features including low start-up and default pressure, set pressure limits

Dual, large LCD display with night-time backlight

Contactless, long-life piezo control switches

Wide range of customisable features to improve the safety and efficiency of your operations

Optional preset pressure switches

Optional temperature compensation models available

Factory customisation available - please enquire



Specialised Inflation Controllers

XHP



XHP - High Pressure Digital Inflation Controller

Airtec's digital inflation technology offers high accuracy and improved safety when adjusting or charging high pressure accumulators and shock absorber struts used in aviation, rail, mining, heavy transport & industrial applications.

Whether using a high pressure or standard nitrogen bottle, the XHP has been designed with a high pressure control valve and comes equipped with high pressure hoses and a high pressure inflating connection. The XHP's program can be customised to inflate a range of different volume actuators, accumulators and shock absorbers or struts.

Product Features

- Easy to use, high accuracy and reliable automatic digital inflation
- Inflation accuracy to within +/- 0.5% FS
- Significant improvement in safety from traditional mechanical inflation methods
- Rugged IP66 enclosure and long-life piezo switches
- Customisable preset pressure switches

Available in other versions with different operating ranges

XHP100 : 50 - 1450 psi (3.0 - 100.0 bar)

XHP300 : 100 - 4060 psi (7.0 - 280.0 bar)

XDS



XDS - Pressure Leak Tester with Digital Inflation

The XDS Series are purpose-built to suit a large range of leak testing application utilising air pressure. The machine automatically inflates the test subject to a high accuracy then test for any pressure leaks over a defined period of time and tolerance. Test parameters and set pressures can be readily adjusted and optimised.

Product Features

- High accuracy and reliable automatic digital inflation and leak testing
- Factory customisable
- Automatic leak testing - setup the test and leave it to complete
- Pass/Fail test indication

Available in other versions with different pressure test ranges

XDS-2 : 1 - 29 psi (0.06 - 2.0 bar)

XDS-10 : 5 - 145 psi (0.3 - 10.0 bar)

XDS-25 : 10 - 362 psi (0.7 - 25.0 bar)

XDS-100 : 50 - 1450 psi (3.0 - 100.0 bar)

XDS-300 : 100 - 4060 psi (7.0 - 280.0 bar)



Digital Pressure Gauge and Accessories

DPG



DPG - Digital Pressure Gauge

The Airtec Digital Pressure Gauge (DPG) is a high-accuracy handheld device for measuring tyre pressures of up to 360 psi / 25 bar. It is designed primarily for use in aviation and ground support applications.

This robust and easy-to-use gauge is constructed in a 304 grade stainless steel body and wrapped in a rubber protection jacket with an ergonomically designed handle for comfort and a firm grip. Also featuring a long-life rechargeable Lithium-Polymer battery with in-built charging function, the DPG is ready for the most demanding ground support requirements.

Product Features

- Accurate, precise and reliable digital pressure measurement
- Robust heavy-duty construction with ergonomic handle
- Long-life rechargeable Lithium Polymer battery with auto power-off function
- Battery charge indication
- 3 adjustable units of measurement

Accessories



85.9011
Battery System



91.0222
Lock-On
Hose Chuck



91.0225
Large Bore
Lock-On Hose Chuck



91.0223
Push-On
Hose Chuck



H-6116
High Pressure
Inflating Connection



H-556
High Pressure
Inflating Connection



2755-L
High Pressure
Inflating Connection



H-2755
High Pressure
Inflating Connection



H-6116B
High Pressure
Inflating Connection



5007
High Pressure
Inflating Connection



H-7607
High Pressure
Shock Strut Valve



H-4361
High Pressure
Shock Strut Valve



H-798
High Pressure
Shock Strut Valve

About Airtec Corporation

Airtec Corporation (Asia) is a global leader in the design, development, and manufacture of digital inflation equipment, servicing many markets including automotive, aviation, military and defence, mining, retail petroleum, transport and motorsport. Airtec's strong customer focus and commitment to research and development continually delivers new and innovative digital pressure control solutions. Airtec products are manufactured at our head office in Singapore to ISO 9001:2015 quality standards, accredited by SGS International Certification Services Singapore Pte Ltd.

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