

## IPDS - Injection Pressure Decay System

**PATENTED  
PROCESS**



**Applications :** Multi purpose leak testing equipment  
Aircraft circuitries leak test (PITOT circuits, Oxygen lines...)  
Versatile Pressure Decay Test bench

**Performing :** Accurate injection with real-time monitoring of test parameters  
Traceability of test parameters  
Test results display and download  
Adjustable tracer gas concentration (1-5-10-20-100%)  
Environmental parameters correction (see option)

**User friendly :** Colour touch-sensitive screen  
Compact & stand-alone  
All neutral gas compatible  
Built-in test

**Option available:** Ambient temperature variation correction  
Ambient pressure variation correction

*The test equipment has to be associated with a tracer gas detector that can be supplied by Sunaero to ensure maximum efficiency.*

**New generation range of integrated multi-purpose test equipment, featuring up to date sensors, automated test capability and data download**

## Technical specifications

**Tracer gas compatibility :** Every inert gas  
**Operations monitoring :** Through a touch sensitive screen

**Air pressure supply :** 7 bar < P < 8 bar

**Tracer gas supply :** 7 bar < P < 8 bar

**Electrical supply :** 90-230 Vac - 50-60 Hz | 24 Vdc

**Main functions :** Air - gas mixer  
Injection (for V < 50 L) with vacuum leak testing for injection bags  
Pressurisation (for 1L < V < 800L)  
Pressure decay test

**Pressurizable volumes :** from 1L to 800 L

**Pressurization range :** From 100mbar to 6 bar for 1L < V < 50L  
From 100mbar to 600mbar for 50 < V < 800L

**Possible mixture concentrations :** 1, 5, 10, 20, 100 % inert gas, 100 % air

**Operating conditions :**

**Temperature :** +0°C to +50°C

**Relative humidity :** 90 % maximum

**Control panel weight :** < 20 kg

**Control panel dimensions :** 561 x 456 x 265 mm

## Ordering informations

**P/N #**

**IP-DS-0021 : Injection Pressure Decay System**

**IP-DS-0121 : Injection Pressure Decay System with ambient temperature variation correction**

**IP-DS-0221 : Injection Pressure Decay System with ambient pressure variation and atmospheric pressure corrections**

## References

**IPDS includes :**

- > 1 control panel
- > Accessories

**Training course :** 1 day at the customer's facilities

*Back in the air faster !*