

## Pressure Decay Leak Tester

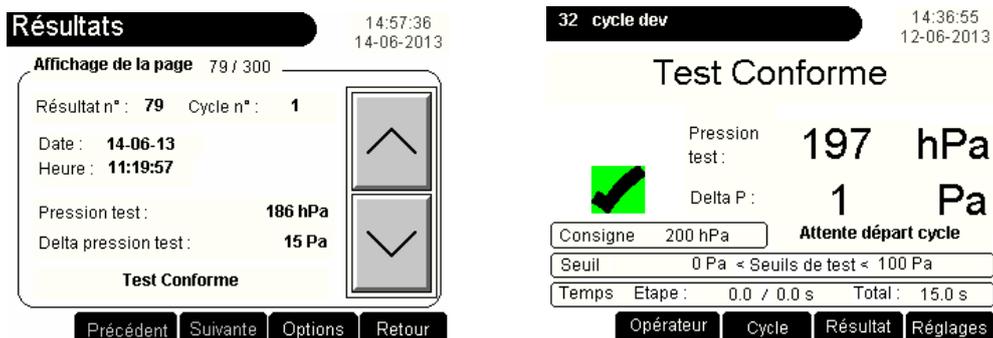
Test 100% of your production to achieve zero default



The ASC 7400V3 is a stand-alone leak tester for use in production. It can be used on manual, semi-automatic or fully automatic test stations. Test pressure and reject level are user-definable.

### User-friendly and ergonomic

The comfortable 3.5" back-lit touchscreen provides a clear and intuitive man-machine interface.



### Front-mounted regulator for simple setting of test pressure

The standard version allows manual setting of the test pressure, lockable to prevent accidental change.

The ASC 7400V3 is the 3rd generation of this high-performance leak tester, answering the needs of those who require dependable inspection to guarantee that 100% of the parts they put out are leak-free.

Its design and build quality allow numerous years of dependable operation even under demanding conditions.

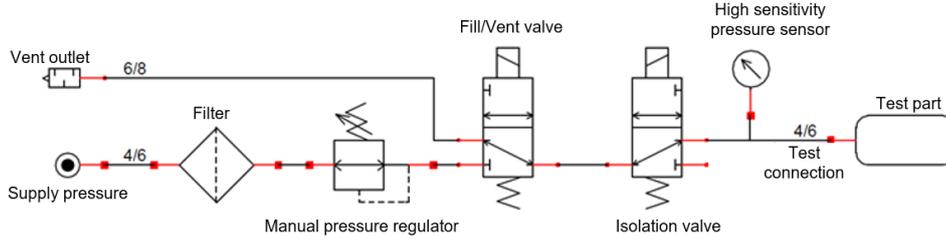
**Speed** – ASC 7400V3 allows cutting down the time required for inspection, for optimised workflows.

**Portable, easy to operate** – ideal for checking small series.

# Pressure Decay Leak Tester ASC 7400V3

## Test method

The part is pressurised at a certain pressure (positive or negative) and subsequently isolated from the pressure source. The variation of the internal pressure is measured over a short time. This variation (pressure decay, or  $\Delta P$ ) is an accurate measure of the level of leakage of the part.



## Measurement cycle

1. Part is connected to test port
2. Fill (to test pressure/vacuum)
3. Stabilisation
4. Test ( $\Delta P$  measurement)
5. Vent (return to atmospheric pressure)

## Standard measurement range

### Pressure variation ( $\Delta P$ )

Range	Accuracy	Max Resolution
0-5000 Pa	$\pm 2.5\% \text{ FS} + 1 \text{ Pa}$	1 Pa

### Test pressure

Range	Accuracy	Max Resolution
-90 kPa (-0.9 bar), -50 kPa (-0.5 bar), 10 kPa (0.1 bar), 50 kPa (0.5 bar), 100 kPa (1 bar), 300 kPa (3 bar), 600 kPa (6 bar), 1 MPa (10 bar), 2 MPa (20 bar), 4 MPa (40 bar).	$P \pm 2 \text{ digits}$	0.1 % FS (max)

20 MPa (200 bar) on request, higher pressures please contact us.

## Technical specifications

### Dimensions

295 x 400 x 175 mm (wxdxh)  
Weight: 8 kg

### Communication

3.5" Touch screen  
Result status indicators on screen

### Options

- Electronic regulator
- 12 Inputs/Outputs.
- 2 pneumatic outputs
- Code or key protected access to parameters
- Calibrated leak connector on front panel
- Test pressure connector on front panel
- Carry handle
- 19" case
- IP 55 case
- Rack mount version
- Results output : USB, LAN (RJ45)

### Power

24 VDC/ 4 A Power supply included (240 VAC input)

### Air supply

Clean dry air, quality to ISO 8573-1

### Temperature

Operation: +10°C to +45°C  
Storage : 0°C to 60°C

### Accessories

- Remote Start/Stop
- Remote display
- Bar code reader
- Printer
- Calibrated Leaks
- Filter kit
- High purity filter
- Status light column
- Standard & custom connections to Test Parts
- External dump valve
- Multi-test valving
- Vacuum pump
- Ancillaries : fittings, tubing, etc.



### ASC Instrument

Parc d'Activités des Bellevues  
4 Avenue du Gros Chêne – Bâtiment C  
95610 Eragny-sur-Oise - FRANCE  
Tel : +33(0)1 34 48 79 76

[contact@ascinstrument.com](mailto:contact@ascinstrument.com) / [www.ascinstrument.com](http://www.ascinstrument.com)