

## DESCRIPTION

The ADT 901 Low Pressure Test Pump is a hand operated pressure pump designed to generate either vacuum to -6 psi (-0.4 bar) or pressures to 6 psi (0.4 bar). A high-quality screw press is designed for fine pressure adjustment, with adjusting resolution up to 0.01 Pa (0.0001 mbar). To reach the pressure stability as high as possible during the micro-pressure calibration, an isothermal bellows chamber is designed for reducing the possible heat effects such as environmental temperature change. Without non-returning valve that is usually used in "trouble-maker" hand pump, ADT 901 has minimal maintenance required. Two finger-tight connectors installed on the pump allow the user using fingers to connect and disconnect the reference gauge and devices under test quickly and easily without the need for PTFE tape or wrenches. The ADT 901 is an ideal comparison test pump for low pressure application.

Generate : -6 psi (-0.4 bar) vacuum to 6 psi (0.4 bar) pressure



- Portable, only 3.5 lb
- Great stability and High Resolution
- Minimal maintenance
- Finger-tight connectors

## FEATURES

- **Portable:** Only 3.5 lb
- **High resolution**
  - ✓ 0.01Pa (0.0001 mbar)
  - ✓ Specially designed screw press for fine pressure adjustment
- **Great Stability**
  - ✓ Isothermal chamber: the pressure chamber is insulated to reduce the influence from environmental temperature changes
  - ✓ Specially designed bellows minimize leakage to guarantee excellent stability
- **Durable and Minimal Maintenance**  
Without non-returning valve that is usually used in "trouble-maker" hand pump.
- **Easy-to-use**  
Pressure could be set and adjusted precisely and quickly through a simple turn of the handle
- **Finger-tight Connectors**  
Using your fingers to connect and disconnect gauges quickly and easily without the need for PTFE tape or wrenches

## SPECIFICATIONS

- **Media:** Air.
- **Generated Pressure Range:**  
-6 psi (-0.4 bar) vacuum to 6 psi (0.4 bar) pressure.
- **Pressure Resolution:**  
0.01 Pa (0.0001 mbar).
- **Material:**  
Ram/adapters: SST;  
Body: SST/aluminum;  
Seals: Buna-N.
- **Connection:**  
Finger-tight connectors for both test gauge and reference gauge.  
Test Gauge connection: 1/4" NPT female or BSP female.  
Reference Gauge Connection: 1/4" NPT female or BSP female.
- **Dimensions:**  
Height: 5.7" (145mm);  
Base: 6.09" (155 mm) x 3.73" (95mm).
- **Weight:** 3.5 lb (1.6 kg).

## ORDERING INFORMATION

- **Model number:**

ADT 901 - N

Model

**Pressure port type:**  
N - 1/4" NPT female  
B - 1/4" BSP female

- **Optional Accessories:**

Model numbe	Description
ADT 901-kit	Test kit for ADT 901 (hose barb fitting, hose, etc)
ADT 101	Connection fitting, 1/4" NPT male to various female connectors
ADT 102	Connection fitting, 1/4" BSP male to various female connectors
9904	Carrying case for digital pressure gauge and one pump (ADT 901/914/925)