

ADT 901 Low Pressure Test Pump



OVERVIEW

The ADT 901 Low Pressure Test Pump is a hand operated pressure pump designed to generate pressures from -6 psi (-0.4 bar) to 6 psi (0.4 bar). A high-quality screw press is designed for fine pressure adjustment, with an adjustment resolution up to 0.01 Pa (0.0001 mbar). To reach the pressure as stable as possible during micro-pressure calibrations, an isothermal bellows chamber is designed for reducing the possible heat effects caused by environmental temperature change. Without non-returning valve that is usually used on troublesome hand pumps, the ADT 901 requires minimal maintenance. Two hand-tight connectors installed on the pump allow easy connecting and disconnecting to the test pump without the need for PTFE tape or wrenches. The ADT 901 is an ideal comparison test pump for low pressure applications.

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
- Hand-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 on troublesome hand pump.
- **Easy-to-use**
Pressure could be set and adjusted precisely and quickly through a simple turn of the handle.
- **Hand-tight Connectors**
Allows easy connecting and disconnecting to the test pump 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) positive pressure.
- **Pressure Resolution**
0.01 Pa (0.0001 mbar).
- **Material**
Ram/adapters: SST
Body: SST/aluminum
Seals: Buna-N
- **Connection**
Hand-tight connectors for both test gauge and reference gauge.
Test Gauge Connection: 1/4" NPT female.
Reference Gauge Connection: 1/4" NPT female.
- **Dimensions**
Height: 5.7" (145mm)
Base: 9.65" (245 mm) x 6.50" (165mm)
- **Weight:** 3.5 lb (1.6 kg).

ORDERING INFORMATION

■ Model Number

ADT 901 - N

Model

Pressure port type:
N - 1/4" NPT female
X - Customize

■ Optional Accessories

Model number	Description
ADT 901-kit	Test kit for ADT 901 (hose barb fitting, hose, etc)
ADT 103	Adapter and fittings, 1/4" NPT male to various male and female connections.
9901-901	Carrying Case for one ADT901 pump and two ADT681 gauges or ADT672 calibrators
ADT100-HTK-2	Hose Test Kit, 5 feet flexible hose, 8000 psi, 1/4NPT male to 1/2NPT female hand-tight quick connector.
ADT100-HTK-4	Hose Test Kit, 5 feet flexible hose, 8000 psi, 1/4NPT male to 1/4NPT female hand-tight quick connector.
ADT100-HTK-8	Hose Test Kit, 5 feet flexible hose, 8000 psi, 1/4NPT male to 1/8NPT female hand-tight quick connector.
ADT100-HTK-B	Hose Test Kit, 5 feet flexible hose, 8000 psi, 1/4NPT male to 1/4BSP female hand-tight quick connector.