



AMETEK® Hand-Held Pressure Testers

- ❑ *Pneumatic, Hydraulic and Vacuum Versions*
 - Models T-730, T-740 and T-810
 - Model T-620, Model T-620H
 - Models T-750 and T-811
- ❑ *Accuracies to $\pm 0.5\%$ of Gauge Span*
- ❑ *Economical and Easy-to-Use*
- ❑ *Testers Include Fine Adjustment Verniers*
- ❑ *Optional Test Gauges*

PRODUCT DESCRIPTION

AMETEK Hand-held Testers are economical, lightweight and easy-to-use. Six models are available.

Model T-730 Pneumatic Pressure Tester

The T-730 Pressure Tester features a rugged pneumatic pump capable of generating test pressures up to 30 PSIG. Ideal for pressure instrument calibration, the Model T-730 tester can be hand-operated in the field or mounted on a test stand in the instrument shop. This tester features an extended range vernier adjustment for precisely controlling pump pressure and comfortable piston grip handle.

Model T-740 Pneumatic Pressure Tester

Similar to the Model T-730 tester, the Model T-740 has the same features, except that it is capable of generating test pressures up to 200 PSIG.

Model T-810 Pneumatic Pressure Tester

The Model T-810 Pneumatic Pressure Tester is a very economical, lightweight, pneumatic hand pump that can generate test pressures up to 200 PSIG. It may be easily operated in the field and its compact size allows it to be easily stored in a briefcase. The pump is connected to a 0.125-inch OP plastic tube on one end and a reference gauge and instrument under test on the other end. The tester features a fine-tuning vernier adjustment with a resolution within 1-inch H₂O. A thumbscrew bleed valve provides for very rapid or gradual pressure venting.

Model T-620 Hydraulic Pressure Tester

The Model T-620 Hydraulic Pressure Tester features a transparent reservoir so that you can easily view the test fluid which may be petroleum-based oils or hydraulic fluids. Range is 0 to 3000 PSIG (206 Bar). The Model T-620H has a range of 0 to 5000 PSIG (344 Bar).

The T-620 may be equipped with an optional 3-inch precision test gauge. The test gauge is mounted on the body manifold with a quick disconnect swivel fitting for easy viewing. A vernier adjustment allows the user to precisely control pressure. A needle valve is provided for quick and positive shut-off.

The tester is equipped with a 24-inch (60.95cm) rubber hose with 0.25-inch NPT connector for connecting to the instrument under test.

Model T-750 Vacuum Tester

The Model T-750 Tester is ideal for testing and calibrating vacuum instruments in ranges up to 25-inches Hg vacuum. This tester includes many of the same features found on AMETEK pneumatic and hydraulic testers including 3-inch test gauges with swivel fitting, vernier adjustment, shut-off valve and pistol grip handles.

Model T-811 Vacuum Tester

The Model T-811 Tester is similar to the Model T-810 Pneumatic Pressure Tester except that it is used to generate up to 600mm Hg vacuum.

FUNCTIONAL SPECIFICATIONS



Model T-620 Hydraulic Pressure Tester

Model T-620 Hydraulic Pressure Tester

Accuracy

±0.5% of Gauge Span

Operating Pressure (Maximum)

Model T-620 3000 PSIG
Model T-620H 5000 PSIG

Wetted Parts

Aluminum, Brass, Stainless Steel, and LEXAN®

“O” Rings

Buna-N

Reservoir Capacity

0.5 pint

Test Connections

0.25-inch NPT, 24-inch (60.95cm) long hose

Weight (Approximate)

3.0 lbs (1.36 kg)

Model T-730 Pneumatic Pressure Tester

Accuracy

±0.5% of Gauge Span

Operating Pressure (Maximum)

30 PSIG

Wetted Parts

Aluminum, Brass, Stainless Steel, NYLON® and NYLATRON GS®

“O” Rings

Buna-N

Test Connections

0.25-inch NPT, 24-inch (60.95cm) long hose

Weight (Approximate)

3.0 lbs (1.36 kg)



Model T-730 Pneumatic Pressure Tester

Model T-740 Pneumatic Pressure Tester

Accuracy

±0.5% of Gauge Span

Operating Pressure (Maximum)

200 PSIG

Wetted Parts

Aluminum, Brass, Stainless Steel, NYLON® and NYLATRON GS®

“O” Rings

Buna-N

Test Connections

0.25-inch NPT, 24-inch (60.95cm) long hose

Weight (Approximate)

3.0 lbs (1.36 kg)

Model T-750 Vacuum Tester

Accuracy

±0.5% of Gauge Span

Operating Pressure (Maximum)

25" Hg

Wetted Parts

Aluminum, Brass, Stainless Steel, NYLON® and NYLATRON GS®

“O” Rings

Buna-N

Test Connections

0.25-inch NPT, 24-inch (60.95cm) long hose

Weight (Approximate)

3.0 lbs (1.36 kg)



Model T-810 Pneumatic Pressure Tester

Model T-810 Pneumatic Pressure Tester

Accuracy

±0.5% of Gauge Span

Operating Pressure (Maximum)

200 PSIG

Wetted Parts

DELTRIN, Stainless Steel and Buna-N

Test Connections

0.125-inch FNPT (T-810)
0.125-inch FBSPT (T-810-M)

Weight (Approximate)

0.7 lbs (0.32 kg)

Model T-811 Vacuum Pressure Tester

Accuracy

±0.5% of Gauge Span

Operating Pressure (Maximum)

600mm Hg vacuum

Wetted Parts

DELTRIN, Stainless Steel and Buna-N

Test Connections

0.25-inch NPT, 24-inch (60.95cm) long hose

Weight (Approximate)

0.7 lbs (0.32 kg)

ORDERING INFORMATION

MODEL T-730 PNEUMATIC PRESSURE TESTER

Order Number	Description
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Base Number

T-730	Hand-held Pneumatic Tester, 0 to 30 PSIG Range, No Test Gauge
T-731	Hand-held Pneumatic Tester, 0 to 30 PSIG Range, 0 to 300" H ₂ O Integral Gauge
T-732	Hand-held Pneumatic Tester, 0 to 30 PSIG Range, 0 to 30 PSIG Integral Gauge

Calibration Certification Option

/C	NIST Certification and Data
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T-732/C

Sample Order Number

Model T-730 Pneumatic Tester, 0 to 30 PSIG Range, with integral 0 to 30 PSIG Gauge

MODEL T-740 PNEUMATIC PRESSURE TESTER

Order Number	Description
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Base Number

T-740	Hand-held Pneumatic Tester, 0 to 200 PSIG Range, No Test Gauge
T-741	Hand-held Pneumatic Tester, 0 to 200 PSIG Range, 0 to 60 PSIG Integral Gauge
T-742	Hand-held Pneumatic Tester, 0 to 200 PSIG Range, 0 to 100 PSIG Integral Gauge
T-743	Hand-held Pneumatic Tester, 0 to 200 PSIG Range, 0 to 200 PSIG Integral Gauge
T-744	Hand-held Pneumatic Tester, 0 to 200 PSIG Range, 0 to 300 PSIG Integral Gauge

Calibration Certification Option

/C	NIST Certification and Data
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T-742

Sample Order Number

Model T-740 Pneumatic Tester, 0 to 200 PSIG Range, with integral 0 to 100 PSIG Gauge

MODEL T-620 HYDRAULIC PRESSURE TESTER

Order Number	Description
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Base Number

T-620	Hand-held Hydraulic Tester, Pump Only, No Test Gauge
T-621	Hand-held Hydraulic Tester, 0 to 1000 PSIG Range Test Gauge
T-622	Hand-held Hydraulic Tester, 0 to 2000 PSIG Range Test Gauge
T-623	Hand-held Hydraulic Tester, 0 to 3000 PSIG Range Test Gauge
T-620H	Hand-held Hydraulic Tester, 0 to 5000 PSIG Range Test Gauge

Calibration Certification Option

/C	NIST Certification and Data
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T-622/C

Sample Order Number

Model T-622 Hydraulic Tester, with 0 to 2000 PSIG Range Test Gauge

MODEL T-750 VACUUM TESTER

Order Number	Description
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Base Number

T-750	Hand-held Vacuum Tester, Pump Only, No Test Gauge
T-751	Hand-held Vacuum Tester, 0 to 30" Hg Vacuum Range Test Gauge

T-750

Sample Order Number

Model T-750 Vacuum Tester, Pump Only

ORDERING INFORMATION

MODEL T-810 PNEUMATIC PRESSURE TESTER

Order Number	Description
	Base Number
T-810	Hand-held Pneumatic Pressure Tester, 0 to 200 PSIG
T-810M	Hand-held Pneumatic Pressure Tester, Metric BSP, 0 to 200 PSIG
T-810	Sample Order Number Model T-810 Pneumatic Pressure Tester, 0 to 200 PSIG

MODEL T-811 VACUUM PRESSURE TESTER

Order Number	Description
	Base Number
T-811	Hand-held Vacuum Tester, 0 to 600mm Hg vacuum
T-811M	Hand-held Vacuum Tester, Metric BSP, 0 to 600mm Hg vacuum
T-811M	Sample Order Number Model T-811 Vacuum Tester, Metric BSP, 0 to 600mm Hg vacuum

**AMETEK**
TEST AND CALIBRATION INSTRUMENTS

AMETEK is a leading global manufacturer of electrical and electromechanical products for niche markets. Listed on the New York Stock Exchange (AME) since 1930, AMETEK's annual sales are approaching \$1 billion. Operations are in North America, Europe and Asia, with about one-third of sales to markets outside the United States.



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