



AMETEK® Comparator Tester For Type T, R and Model 10

- ❑ Accurate to $\pm 0.25\%$ of Gauge Span
- ❑ Complete with Hand Pump, Test Gauges, Tools and Carrying Case
- ❑ Three Models
 - Type T for Use with Distilled Water or Fluids Compatible with 300 Series Stainless Steel
 - Type R and Model 10 for Use with Hydraulic Fluids

PRODUCT DESCRIPTION

The AMETEK Comparators are ideal secondary standards for pressure measurement. These comparator test sets consist of a hydraulic hand pump on a pan as the pressure source, a test manifold and a set of four AMETEK US GAUGE 4.5-inch test gauges. Gauge PSIG spans vary with model.

Pressure comparators are used as secondary pressure standards. They allow you to accurately and rapidly test pressure

instrumentation by comparing the instrument on a pressurized test manifold with test gauges of known accuracy and span. Model T & R Comparators feature hand-operated pumps with a manual dual volume control valve. The control valve delivers high volume to rapidly build pressure, and low volume for easy pumping and a gradual approach to the calibration point. The instrument features a test manifold with vernier for controlling pump pressure.

FUNCTIONAL SPECIFICATIONS

Accuracy

$\pm 0.025\%$ of gauge span
10,000PSIG gauge $\pm 0.5\%$ of gauge span

PHYSICAL SPECIFICATIONS

Wetted Parts

Stainless Steel, Monel, Brass, Aluminum. Ni-Span C (temperature compensated gauges only), Carbon Steel, Buna N and optional Viton, EPT O-rings

Test Fluids

Type T Distilled H₂O
Type R, Model 10 AAA Tester Oil

Weight

55 lbs (24.95kg)

Overall Dimensions (H x W x D)

16.0 x 20.625 x 11.0-inches
40.6 x 52.4 x 27.9cm

ORDERING INFORMATION

TYPET ANDTYPE R COMPARATORS

Order Number	Description
	Base Number
T-	Type T Comparator with Test Gauge, Pump, Tools and Carrying Case
R-	Type R Comparator with Test Gauge, Pump, Tools and Carrying Case
	Test Gauge and Range
3	0 - 160 PSIG, 0 - 600 PSIG, 0 - 5000 PSIG, 0 - 10,000PSIG
3A	0 - 30 PSIG, 0 - 600 PSIG, 0 - 3000 PSIG, 0 - 5000 PSIG
3AM	0 - 2kg/cm ² , 0 - 42kg/cm ² , 0 - 210kg/cm ² , 0 - 350kg/cm ²
3AN	0 - 200kPa, 0 - 4000kPa, 0 - 21,000kPa, 0 - 35,000kPa
3/Bar	0 - 11 Bar, 0 - 42 Bar, 0 - 350 Bar, 0 - 700 Bar
	Sample Order Number
R-3	Type R Comparator with range: 0 - 160 PSIG, 0 - 600 PSIG, 0 - 5000 PSIG, 0 - 10,000 PSIG, complete with hand pump, tools and carrying case

MODEL 10 COMPARATOR

Order Number	Description
	Base Number
10-	Model 10 Comparator with Test Gauge, Pump, Tools and Carrying Case
	Test Gauge and Range
10	0 - 160 PSIG, 0 - 600 PSIG, 0 - 5000 PSIG, 0 - 10,000 PSIG
	Sample Order Number
10-10	Model 10 Comparator with range: 0 - 160 PSIG, 0 - 600 PSIG, 0 - 5000 PSIG, 0 - 10,000 PSIG, complete with hand pump, tools and carrying case

Note: Accuracy is $\pm 0.05\%$ of gauge span at ranges of 10,000 PSIG and 700 Bar